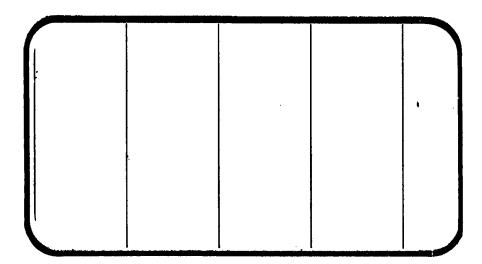


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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER HOUSTON, TEXAS

DATA MANagement services SPACE DIVISION

DMS-DR-2254 NASA CR-144,626 VOLUME 8 OF 13

TERMINAL AREA ENERGY MANAGEMENT
REGIME INVESTIGATIONS UTILIZING AN 0.030-SCALE
MODEL (47-0) OF THE SPACE SHUTTLE VEHICLE
ORBITER CONFIGURATION 140A/B/C/R IN THE
AMES RESEARCH CENTER 11 X 11 FOOT
TRANSONIC WIND TUNNEL (0A148)

by

P. J. Hawthorne Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services Chrysler Corporation Space Division New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center National Aeronautics and Space Administration Houston, Texas

### WIND TUNNEL TEST SPECIFICS:

Test Number:

ARC 11-073

NASA Series Number:

0A148

Model Number:

47-0

Test Dates: Occupancy Hours:

May 5 through May 17, 1975

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

TERMINAL AREA ENERGY MANAGEMENT

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### **ABSTRACT**

This report documents data obtained in wind tunnel test OA148. The objectives of the test series were to:

- 1) obtain pressure distributions, forces and moments over the vehicle 5 Crbiter in the terminal area energy management (TAEM) and approach phases of flight.
- 2) obtain elevon and rudder hinge moments in the TAEN and approach phases of flight.
- 3) obtain body flap and elevon loads for verification of loads balancing with integrated pressure distributions.
- 4) obtain pressure distributions near the short OMS pods in the high subsonic, transonic and low supersonic Mach number regimes.

Testing was conducted over a Mach number range from 0.6 to 1.4 with Reynolds number variations from 4.57 x  $10^6$  to 2.74 x  $10^6$  per foot. Model angle-of-attack was varied from -4 to 16 degrees and angles of side slip ranged from -8 to 8 degrees.

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- A) CY, CYN and CBL versus BETA
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- D) CP versus X/LB
  - CP versus X/CW

îii

F) CP versus X/CV

### NOMENCLATURE

	Plot	
Symbol	Symbol	Definition
Ab	AB	total Orbiter base area, ft?
A	Ai	area over which Pi acts, ft2
A <sub>sb</sub>	ASB	speed brake base area, ft <sup>2</sup>
b	BREF, BW	Orbiter wing span, in
b <sub>V</sub>	в۷	vertical tail reference span, in
$c_{A_u}$	CAU	Orbiter uncorrected axial force coefficient
CA	CA	Orbiter axial force coefficient with sting cavity adjusted to average base pressure
CAF	CAF	Orbiter forebody axial force coefficient.
CAsc	CASC	Orbiter sting cavity axial force coefficient.
$c_{D_{U}}$	CDU	Orbiter uncorrected drag coefficient
c <sub>hbf</sub>	CHBF	body flap hinge moment coefficient, about hinge line $X_0 = 1532.0$
<sup>C</sup> hei	CHEI	inner elevon hinge moment coefficient, about hinge line $X_0 = 1387.0$
c <sub>heo</sub>	СНЕО	outer elevon hinge moment coefficient, about hinge line $X_0 = 1387.0$
с <sub>Не</sub> тот	CHETOT	total right elevon hinge moment coefficient
$c_{L_{\bigcup}}$	CLU	Orbiter uncorrected lift coefficient
Cr	CBL	Orbiter rolling moment coefficient, body axis system

### NOMENCLATURE (Continued)

Symbol .	Plot S <u>ymbol</u>	Definition
C <sub>III</sub>	CLM	Orbiter pitching moment coefficient with sting cavity adjusted to average base pressure, referenced to Orbiter MRC.
c <sub>mu</sub>	CLMU	Orbiter uncorrected pitching moment coefficient
r <sup>mk</sup>	CLMF	Orbiter forebody pitching moment coefficient referenced to orbiter MRC.
c <sub>msc</sub>	CLMSC	Orbiter sting cavity pitching moment coefficient, referenced to Orbiter MRC
$c_{N_u}$	CNU	Orbiter uncorrected normal force coefficient
C <sub>N</sub>	CN	Orbiter normal force coefficient with sting cavity adjusted to average base pressure
$c_{N_{F}}$	CNF	Orbiter forebody normal force coefficient
$c_{N_{SC}}$	CNSC	Orbiter sting cavity normal force coefficient
$c_n$	CYN	Orbiter yawing moment coefficient, body axis system
C <sub>pi</sub>	CPi	surface tap pressure coefficient, port i, $(P_i - P_\omega)/q$
Сү	CY	Orbiter side force coefficient
c[x][y]	c[x][Y]	base area force and moment coefficients. The first subscript (post fix) designates the type of coefficient, the second the pressure tap and it's associated area. The symbolic
[x]	#	vectors [X] and [Y] are defined below.
A N Y m n	A N Y LM YN BL	axial force normal force side force pitching moment yawing moment rolling moment

### NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
<u>[                                    </u>	a	
1,2,3 4,5,6 sc bf	1.2.3 4.5.6 SC BF	areas associated with pressure taps 1 through 6 sec figure 2b sting cavity area upper body flap area
1 <sub>b</sub>	LB	Orbiter reference body length, IML nose to $X_0 = 1528.3$ , in.
<sup>L</sup> REF	LREF	longitudinal reference length, Orbiter mean aerodynamic chord, in
	LU/DU	uncorrected lift to drag ratio, CLU/CDU .
M	MACH	freestream Mach number
Ф	PHI	angular cylindrical coordinate position around Orbiter body - deg.
Pi	Pi	pressure at surface tap i, PSF
₽ <sub>∞</sub>	Р	freestream static pressure, PSF
P <sub>t</sub>	PT	freestream total pressure, PSF
q	Q	freestream dynamic pressure, PSF
	RN/L	unit Reynalds number, million per foot
S	SREF	wing reference area, ft <sup>2</sup>
Τ <sub>t</sub>	TTR	freestream total temperature, °R
Х <sub>СР</sub>	XCP/L	center of pressure location referred to $1_{\mbox{\scriptsize b}}$
x <sub>o</sub> /L <sub>o</sub>	X/LB	longitudinal location of body surface, fraction of body length

,

### NOMENCLATURE (Concluded)

Coding	Plot S <u>ymbol</u>	Deffinition
4/6	X/GW	chordwise location on wing surface. fraction of local chord
X/C <sub>V</sub>	X/CV	chordwise location on vertical tail, fraction of local chord
· u	Z/BV	spanwise location on vertical tail, fraction of vertical tail span
η	24/BM	spanwise location on wing, fraction of semi-span
Xmrp	XMRP	longitudinal location of moment reference point
ХŢ	XT	longitudinal moment transfer distance from Orbiter balance center to Orbiter MRC, in
Ymrp	YMRP	lateral location of moment reference point
Z <sub>T</sub>	ZT	vertical moment transfer distance from Orbiter balance center to Orbiter MRC, in
Œ	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
$^{\delta}$ bf	BDFLAP	body flap deflection, degrees
δ <sub>eL</sub>	ELVN-L, L-ELVN	left elevon deflection, degrees
$\delta_{ ext{eR}}$	ELVN-R, R-ELVN	right elevon deflection, degrees
8 <sub>r</sub>	RUDDER	rudder deflection, degrees
8 <sub>sb</sub>	SPDBRK	speed brake deflection, degrees
Zmrp	ZMRP	vertical location of moment reference point
	\$\$	mask character used to indicate all possible values for this test Ol through 85

### REMARKS

During the course of the test it was necessary to replumb the scanivalves. The resultant time loss necessitated deleting the priority 4 runs which incorporated the use of the metric vertical tail.

Data obtained from pressure taps 184, 296 and 347 are suspect due to slow leaks noticed while leak checking individual model pressure taps.

Body flap hinge moment data for datasets RE8001 through RE8005 have a -15% drift while datasets RE8006 and RE8007 have a +10% drift due to data recording system errors. System checks during the remainder of the termindicate a system error of less than 4% for body flap by a coment data.

Rolling moment data has an approximate -.00 bias in the coefficient. The reason for this was not determined, but possible sources are fabrication tolerances and/or differential stiffness of the left and right elevon panels.

Distortion of the instrumented elevon shaft appears to have occurred around run 310 due to model assembly difficulties and the maximum loads encountered at these test conditions. A comparison of measured elevon deflection before and after the test with the nominal setting is presented below:

Elevon Panel	Nomina1	Pre-Test	Post-Test
Inboard right	$\begin{cases} -10 \\ -4 \\ 0 \\ 4 \\ 10 \end{cases}$	-9° 36' -3° 34' +0° 10' +4° 26' +10°32'	-8° 55' -2° 55' +1° 02' +4° 28'
Outboard right	$ \begin{cases} -10 \\ -4 \\ 0 \\ 4 \\ 10 \end{cases} $	+0° 36' -3° 34' +0° 10' +4° 26' +10°32'.	+10°39' -8° 15' -2° 20' +1° 05' +3° 59' +10°18'

<sup>\*</sup> Inboard only was measured but was the same as outboard panel(see Ref 2)

### CONFIGURATION INVESTIGATED

The Rockwell International model 47-0 Space Shuttle Orbiter Vehicle was utilized in this test series. The model was originially constructed to -140A/B lines, but was modified prior to this test with the addition of the -140C OMS pods, six inch bevelled interpanel elevon gaps and uncovered RCS forward thrustor parts. To denote these additions, the additional designations "C" (for -140C OMS pods) and "R" (for RCS thrustors) were added, and the slashes deleted for convenience on Table II(designated "-140 ABCR").

In data sets RE8069 to 085 the RCS thrustor ports in the nose were filled reverting the configuration to -140A/B/C modified with body  $\rm B_{26}$ .

The following nomenclature denotes the model components:

Component	Description
B <sub>26</sub>	140A/B fuselage (VL70-000140A, VL70000140B)
B <sub>70</sub>	140A/B fuselage (VL70-000140A, VL70-000145, VL70-000140B, VL70-000143A, VL70-000139) with RCS thrustor parts (VL70-08501, VL70-08502, VL70-08296)
c <sub>9</sub>	140A/B basic canopy (VL70-000140A, VL70-000143A)
E <sub>44</sub>	140A/B elevons (VL70-000200, VL70-006089, VL70-006092) with six inch bevelled interpanel gaps, no flipper door
F <sub>9</sub>	140A/B body flap (VL70-000140B, VL70-000200)
M <sub>16</sub>	OMS-RCS pods for 140C Orbiter
N <sub>28</sub>	OMS basic nozzles
$R_5$	basic Orbiter rudder (VL70-000146A, VL70-000095)
v <sub>8</sub>	basic Orbiter vertical tail (%L70-000140A, VL70-000146A)
W116	basic 140A/B wing (VL70-000140B, VL70-000200)

### CONFIGURATIONS INVESTIGATED (Concluded)

Designated configurations are:

- -140ABCR =  $B_{70}$   $C_{9}$   $E_{44}$   $F_{9}$   $M_{16}$   $N_{28}$   $R_{5}$   $V_{8}$   $W_{116}$
- -140 ABC = B26 C9 E44 F9 M16 N28 R5 V8 W116

### TEST FACILITY DESCRIPTION

The Ames Research Center Unitary Plan 11- by 11-Foot Transonic Wind Tunnel is a closed-circuit, air-medium, variable-density facility capable of attaining Mach numbers from 0.6 to 1.4 at Reynolds numbers from 1.7 x  $10^6/\mathrm{ft}$  to 9.4 x  $10^6/\mathrm{ft}$ . The test section is 22 feet long, and models are installed on internal strain-gauge balances mounted to sting-type support systems.

Shadowgraph and Schlieren photographic equipment is available, and pressure transducer instrumentation is provided.

Tunnel operating temperature is 580°R. Extended high Reynolds number... runs are restricted by power availability.

### DATA REDUCTION

Standard NASA/Ames data reduction equations were used to reduce forces, moments, and pressures to coefficient form. Orbiter main balance force and moment coefficients were computed using the following equations:

		Symb	01			Orbiter main balance measurement
		NF AF PM YM SF RM				Normal Force Axial Force Pitching Moment Yawing Moment Side Force Rolling Moment
CAu	=	AF /	(q	s)		C <sub>Lu</sub> = C <sub>Nu</sub> cos α -C <sub>Au</sub> sin α
$c_{N_u}$	=	NF /	(q	S)		$C_{D_u} = C_{N_u} \sin \alpha + C_{A_u} \cos \alpha$
Сү	=	SF /	(q	S)		
c <sub>mu</sub>	=	PM qSc	+	c <sub>A</sub> .	Z <sub>T</sub>	$-\frac{c_N \cdot x_T}{c}$
C &	=	$\frac{R}{q}\frac{M}{b}$	+	C <sub>Y</sub> ·	Z <sub>T</sub>	Moment Transfer Distances $X_T = 0.572 \text{ in.}$
Cn	=	YM qSb		<u>Сү •</u>	ХΤ	$Y_{T} = 0$ $Z_{T} = 0.450 in.$

The Moment Reference Center about which the data was reduced is located at

Balance coefficients were grouped into datasets RE80\$\$.

Hinge moments and hinge moment coefficients were computed using the following equations:

Elevon hinge moments (inboard and outboard).

$$HM_{e_T} = (HM1-HM2) (M1/D1) + HM1$$

$$HM_{PO} = (HM3-HM4) (M3/D3) + HM3$$

where

HMi = measured moment on strain gage i

D1 = distance between gages 1 and 2, .49335 in.

D3 = distance between gages 3 and 4, .45800 in.

M1 = moment transfer distance for inboard elevon, .93825 in.

M3 = moment transfer distance for outboard elevon, .92250 in.

Elevon hinge moment coefficients

Inboard, 
$$C_{H_{e_1}} = H_{M_{e_1}} / (q S_e c_e)$$

Outboard, 
$$C_{H_{e0}} = H_{M_{e_0}} / (q S_e c_e)$$

Total, 
$$C_{H_{e_{TOT}}} = C_{H_{e_{I}}} + C_{H_{e_{O}}}$$

S<sub>e</sub> = elevon reference area, 0.189 ft.<sup>2</sup>

 $c_e$  = elevon reference MAC, 2.721 in.

Body flap hinge moment coefficient

$$C_{H_{bf}} = HM_{bf} / (q S_{bf} c_{bf})$$

 $HM_{bf}$  = measured body flap hinge moment

 $S_{bf}$  = body flap reference area, 0.12834 ft.

cbf = body flap reference MAC, 2.541 in.

Hinge moment coefficients are part of datasets RE8X\$\$.

Pressure coefficients for all model orifice pressure measurements were computed using this equation:

$$C_{P_i} = (P_i - P_{\infty})/q$$

where  $P_i$  = pressure at model orifice i

 $P_{\infty}$  = tunnel static pressure

q = tunnel dynamic pressure

Other data reduction constants include:

S = wing reference area, 2.4210 ft.<sup>2</sup>

c = wing reference chord, 14.2443 in.

b = wing reference span, 28.1004 in.

After the data had been reduced to coefficient form by NASA/AMES,DMS interpolated it to nominal  $\alpha$ 's and  $\beta$ 's. Then 2 types of base and sting cavity area coefficients were calculated. When they are applied 3 types of balance coefficient data exists. These can be distinguished by the last subscript (symbolic name) or postfix (mnemonic name). The key is given below

- U ~ uncorrected coefficients.
  - coefficients with sting cavity pressure corrected to base pressure (without a suffix).
- F ~ forebody coefficients with the base area pressure corrected to freestream pressure.

Only the correction coefficients associated with base pressure tapes 1 through 4 were applied to the longitudinal orbiter coefficients.

tap. Alphabetic characters bf and sc designate body flap and sting cavity areas, respectively. Base area coefficient names have a numeric character which designates the pressure tap number. Base coefficients for vertical tail areas 5 and 6 were calculated but not applied to the total orbiter coefficients. Base area coefficient values are tabulated in the appendix. A detailed derivation of these coefficients follows. It is concluded by a matrix of base area geometric properties.

The orbiter sting cavity force and moment coefficients were computed as:

$$C_{A_{SC}} = \frac{(C_{p2} - C_{p1})}{S} A_{1}$$

$$C_{N_{SC}} = \frac{(C_{p2} - C_{p1})}{S} A_{1} \tan 12.55^{\circ}$$

$$C_{m_{SC}} = C_{A_{SC}} \frac{Z_{t}}{C} - C_{N_{SC}} \frac{X_{SC}}{C}$$

The orbiter force and moment coefficients corrected for the difference between balance cavity pressure and orbiter base pressure:

$$c_{A} = c_{A_{u}} + c_{A_{SC}}$$

$$c_{N} = c_{N_{u}} - c_{N_{SC}}$$

$$c_{m} + c_{m_{u}} - c_{m_{SC}}$$

These orbiter coefficients are part of datasets KE80\$\$.

Orbiter base force and moment coefficients were calculated as follows:

Upper base area

$$c_{N2u} = -(c_{p2} \Lambda_{2u} \tan 16^{\circ})/S$$

$$c_{A2u} = -(c_{p2} \Lambda_{2u})/s$$

$$c_{m2u} = \frac{c_{A2u}}{c} \frac{z_{2u}}{c} = \frac{c_{N2u}}{c} \frac{x_{2u}}{c}$$

Lower base area

$$C_{N2_g} = -(C_{p2} A_{2_g} \tan 10^\circ)/S$$

$$c_{A2_g} = -(c_{p2} A_{2_g})/s$$

$$C_{m2_{\varrho}} = C_{A2_{\varrho}} \cdot \frac{Z_{2\varrho}}{c} - C_{N2_{\varrho}} \cdot \frac{X_{2\varrho}}{c}$$

Total base area, A2

$$c_{N2} = c_{N2}u + c_{N2}x$$

$$c_{A2} = c_{A2} + c_{A2}$$

$$C_{m2} = C_{m2_u} + C_{m2_u}$$

OMS pod base area, A3

(This assumes the surface is perpendicular to the orbiter X-axis)

$$c_{A3} - (c_{p3} A_3)/s$$

$$c_{m3} - c_{A3} \frac{z_3}{c}$$

OMS pod base area, A<sub>4</sub>

(This assumes the surface is perpendicular to the orbiter X axis)

$$c_{A4} = -(c_{p4} A_4)/s$$

$$c_{m4} = c_{A4} \frac{24}{c}$$

Coefficients for the above areas are grouped into datasets EE8D\$\$.

Upper surface of body flap

$$c_{A_{bf}} = \frac{-c_{p_{bf}} A_{bf}}{s} \sin (\delta_{bf} + 6.88^{\circ})$$

$$c_{N_{bf}} = \frac{-c_{p_{bf}} A_{bf}}{s} \cos (\delta_{bf} + 6.88^{\circ})$$

$$c_{M_{bf}} = \frac{c_{A_{bf}} Z_{bf}}{s} \cos (\delta_{bf} + 6.88^{\circ})$$

where:

$$C_{pbf} = \frac{C_{p200} + C_{p201} + C_{p204} + C_{p205}}{4}$$

The orbiter force and moment coefficients adjusted to free stream pressure (forebody coefficients).

$$c_{A_{F}} = c_{A_{U}} - \left(\frac{-c_{p1}}{s} \frac{A_{1}}{i} + \sum_{i=2}^{4} c_{A_{i}} + c_{Abf}\right)$$

$$c_{N_{F}} = c_{N_{U}} - \left(c_{N_{2}} + c_{N_{bf}}\right)$$

$$c_{mF} = c_{mU} - \left(\sum_{i=2}^{4} c_{m_{i}} + c_{m_{bf}}\right)$$

These orbiter coefficients are part of datasets KE80\$\$.

Vertical tail "undercarriage" area, A<sub>5</sub>

Top Segment:

$$c_{N5t} = (c_{p5} A_{5t} \tan 63.75^{\circ})/S$$

$$C_{A5t} = -(C_{p5} A_{5t})/S$$

$$C_{m5t} = C_{A5t} \frac{Z_{5t}}{C} - C_{N5t} \frac{X_{5t}}{C}$$

### Middle Segment:

$$C_{N5m} = (C_{p5} A_{5m} tan 26.1426^{\circ})/S$$

$$C_{A5m} = - (C_{p5} A_{5m})/S$$

$$C_{m5m} = C_{A5m} \frac{Z_{5m}}{C} - C_{N5m} \frac{X_{5m}}{C}$$

### Bottom Segment:

$$C_{N5b} = (C_{p5} A_{5b} tan 21.94^{\circ})/S$$

$$C_{A5b} = - (C_{p5} A_{5b})/S$$

$$C_{m5b} = C_{A5b} \frac{Z_{5b}}{c} - C_{N5b} \frac{X_{5b}}{c}$$

### Total area, A<sub>5</sub>:

$$C_{N5} = C_{N5t} + C_{N5m} + C_{N5b}$$

$$C_{A5} = C_{A5t} + C_{A5m} + C_{A5b}$$

$$C_{M5} = C_{m5t} + C_{m5m} + C_{m5b}$$

### Vertical Tail base area, A6:

### Segment above rudder

$$C_{N6u} = (C_{p6} A_{6u} \tan 63.75^{\circ})/S$$

$$C_{A6u} = (C_{p6} A_{6u})/S$$

$$C_{m6u} = C_{A6u} \frac{Z_{6u}}{c} - C_{N6u} \frac{X_{6u}}{c}$$

### Rudder/Speed brake base:

### Total area, A<sub>6</sub>:

$$C_{A6} = C_{A6u} + C_{A6u}$$

$$C_{N6} = C_{N6u} + C_{N6u}$$

$$C_{Y6} = C_{Y6v}$$

$$C_{m6} = C_{m6u} + C_{m6v}$$

$$C_{v6} = C_{v6v}$$

$$C_{n6} = C_{n6u}$$

Vertical tail area coefficient data are grouped into datasets GESD\$\$.

Distance between Centroid and MRC longitudinal X - in. 12.199 13.659 12.159 12.67 12.384 12,355 14.079 15.185 18.482 T Varies with speed brake deflection vertical Z - in. 5.336 12.656 ..612 0.45 0.45 - 1.32 3.63 2.64 2.07 2.68 5.97 0.0818055 Area A - ft.2 0.076699 0.076699 0.133889 0.030472 0.074166 0.003565 0.002610 0.000798 0.000341 0.128 Sub-script þŧ 2 26 **Sm** 5t n9 9 Vertical tail "undercarriage" bottom Vertical tail "undercarriage" middle Vertical tail "undercarriage" top Orbiter base orifice 2 lower Orbiter base orifice 2 upper Vertical tail above rudder Base area of speed brake Body flap upper surface Orbiter balance cavity Lower OMS pad Upper OMS pod Sting cavity Description

BASE GEOMETRIC PROPERTIES MATRIX

NOTES: Sting cavity and Orbiter balance cavity are synonymous.

NA - not applicable.

<sup>6</sup> sh			1	May ft		
0 26 35 56 85				0.0066036 0.0456000 0.0621000 0.0950800 0.1551400		
Х <sub>68</sub> -	15.045	ŧ	1.442277	[]=cos	(8sb/2)]	
<b>Z</b> 68	9,755	4	0.501827	[1-cos	(&sb/2)]	

Standard DMS loads cycle test procedures were used to process the OA148 pressure data. First numerous pressure distribution plots were released. Analysis of these produced bad pressure data list. This list is reproduced below:

### OA148 Bad Pressure Data

Component	Dataset No.	Tap No.	ß	Q.
Fusulage (B)	1 1 1 1 1 1	143 148 150 152 186 187 189 191	4 4 4 4 4 4	-4 -4 -4 -4 -4 -4
Lower Wing (L)	1 → 7 1 → 85 1 1 1 1 1 1	231 290 316 317 337 338 358 378 379 398	ALL ALL 4 4 4 4 4	ALL -4 -4 -4 -4 -4 -4
Upper Wing (U)	1 + 7 1	247 357	ALL 4	ALL -4
Body Flap (F)	24	205	-4	12
Speed Brake (K)	1 + 85	822	ALL	ALL
Ventical Tail (V)	8 ALL 79 79	443 1444 1453 1454	ALL ALL -4 -4	ALL ALL -4 -4

Note: Wind tunnel pressure data tabulated in the appendix have the original bad data values.

Phase points were eliminated from further processing. The remaining data were interpolated to nominal alpha and beta values. Processing was completed with the release of a magnetic tape containing the final interpolated pressure coefficients.

This report contains plots and tabular listings for both force and pressure data. Plotted force data illustrates lateral-directional, longitudinal and hinge moment characteristics of the configuration tested. Plotted pressure data illustrates the effect of several control deflections and attitude changes on local pressure distributions. The multiple volume appendix contains a tabulated listing of the basic force and pressure data. Listing of the interpolated base area coefficients is also included. The plotted and tabulated data are arranged in the following manner:

### NO. CONTENTS 1 Force data plots showing lateral-directional longitudinal and hinge moment characteristics. 2 Plots illustrating the effect of control surface

pressure distributions.

deflections on fuselage, wing and vertical tail

VOLUME NO.

### DATA REDUCTION (Concluded)

VOLUME NO.		CONTENTS
3	Tabulated	Force Data
	<u>Dataset</u>	Data type
	RE80\$\$	source balance coefficients
	RE8X\$\$	source hinge moment coefficients
	RE8Y\$\$	source base pressure coefficients
	KE80 <b>\$\$</b>	interpolated balance coefficients adjusted for cavity pressure and forebody coefficients
	EE8D\$\$ FE8D\$\$	interpolated base and cavity area coefficients
	GE8D\$\$	interpolated vertical tail base area coefficients

### Tabulated Pressure Data

	Component	Fourth Character*	Page
4, 5	orbiter fuselage	B	1
6,7,8	lower wing	L	1271
9,10,11	upper wing	U	3147
12 12	upper body flap lower body flap	F G	5405 5774
13 13	speed brake vertical tail	K V	6143 6547

<sup>\*</sup> The fourth character in each dataset identifier (i.e., XE8BXX, B for Fuselage) represents the individual component.

### **REFERENCES**

- 1. SD75-SH-0106, "Pretest Information for OA148 of the 0.03-Scale 47-0 Pressure Loads Space Shuttle Model in the 11 x 11 Foot Leg of the NASA/ARC Unitary Plan Wind Tunnel," April 18, 1975.
- 2. MG-75-07-11, Rockwell International Corporation Internal Letter: "Model design Dimensional Varification Task 36: Elevon Deflection Angle Check of the 0.03-Scale SSV Model 47-0 (140A/B Configuration)". SAS/WTO/75-283, July 29, 1975.

TEST : CA148			DATE : May 1975
	TEST CON	IDITIONS	
MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERA <del>TURE</del> (degrees Fahrenheit)
0.60	4.57 x 10 <sup>6</sup>	4.166	120
0.90	$3.41 \times 10^6$	4.166	120
1.10	$3.05 \times 10^6$	4.166	120
1.25	$2.86 \times 10^6$	4.166	120
1.40	$2.74 \times 10^6$	4.166	120
		Manufacture of transverse transverse a security of the second section of the second	
BALANCE UTILIZED:	ARC Task MK XX	Δ	
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NF SF	1500 1bf/qage		ernam - Mari d <b>astinatin 1900</b> - Mallanti en alantin plere apue enpar
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VASA-METC-MAT

# TABLE III MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - BOK		
GENERAL DESCRIPTION : Configurat	ion 1404/11 orbiter 1	nua laya
NOTE: Bot in identical to Boy exce	nt undervide of fund	lago ban been .
refaired to accopt W116.		
MODEL SCALE: 0.030 MC		
DRAWING NUMBER: <u>VI/70-0001/48</u> , - VI//0-000140A, -	-00020000020500 -000140B	16089 <u>-000145</u>
DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta. X <sub>O</sub> - Length (IML: Fwd Sta X = 2		38.799 38.709
Max Width (@ X <sub>O</sub> = 1528.3), 1	n. 264.0	7.920
Max Depth ( $\omega X_0 = 1464$ ), In.	250.0	7.500
Fineness Ratio	0.264	0.261
Area - Ft <sup>2</sup>		***************************************
Max. Cross-Sectional	340.88	0.3068
Planform		<b>40-20-20-20-20-20-20-20-20-20-20-20-20-20</b>
Wetted		
Base		

### TABLE III (Continued)

MODEL COMPONENT : BODY - B70		
GENERAL DESCRIPTION :Conflavrati	on 140A/B orbits	r function with
forward fuselage RCS thruster ports, o		
Box.		Company of the Compan
Montey Coarts, a con-		
DRAWING NUMBER: <u>VL70-000140A</u> , -0001, VL70-000205, -00608	40B, <u>-000143B</u> , - 9, -008501, -008	000118 000000
DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta $X_0$ =235), Length (IML: Fwd Sta $X_0$ =238),	In. 1293.3 In.1290.3	38.799 38.709
Max Width (@ $X_0 = 1528.3$ ), In.	26/4.0	7.920
Max Depth ( $\omega X_0 = 1464$ ), In.	250.0	7.500
Fineness Ratio	0.264	0.264
Area - Ft <sup>2</sup>		
Max. Cross-Sectional	340.88	_0.3068
Planform		
Wetted		
Base		

TABLE III (Cont.	d)	
MODEL COMPONENT : CANORY - C.		
GENERAL DESCRIPTION :டுஹ்டியாவுக்கூற	A. Canopy juned	with functory
H.	- and analysis of the control of the	
MODEL SUALE: 0.030 MODEL DWG:		
DRAWING NUMBER : VIZO-000143A		
DIMENSIONS	FULL SCALE	MODEL SCALE
Length (X <sub>0</sub> =434.643 to 578), In.	1/3.357	4.301
Max Width ( $\omega X_{0} = 513.127$ ), In.	152.412	4.572
Max Depth ( $w$ $X_0 = 485.0$ ), In.	25.00	0.750
Fineness Ratio		to an all the state of the stat
Area		
Max. Cross—Sectional		
Planform		

Wetted

Base

MODEL COMPONENT ELEVON - E.		
Flipper doorn centerbody places, and	caps machined in	to Egg eleven.
(Data are for one of two sides.)		
MODEL SCALE: 0.030	05 146 6 Maria and 25 426 124 114 114 114 114 114 114 114 114 114	
DRAWING NUMBER		Control Control Application of the Control Con
	-	Addition of the second
DIMENSIONS	FULL SCALE	MODEL SCALE
Area - Ft. <sup>2</sup>	210.0	0.189
Span (equivalent) . In.	349.2	10.476
Inb'd equivalent chord, In.	118.0	3.54
Outb'd equivalent chord , In.	_55.19	_1.656
Ratio movable surface chord, total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outh'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Trailing Edge	- 10.056	- 10.056
Hingeline (Product of Anna 8 7)	0.0	0.0
(Product of Area & c) Area Moment ( <b>Mazonobsocksagesbut</b> e), Ft	31587.25	0.0429
Mean Aerodynamic Chord, In.	90.7	2.721

MODEL COMPONENT : BODY FLAP -	Fg	
GENERAL DESCRIPTION : Configu	ration 140A/B	स्थान का क्षेत्र का
MODEL SCALE: 0.030		
DRAWING NUMBER: VI.70-000140B,	-000200	
DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Chord), In.	84.7	2.541
Max Width , In.	262.308	7.869
Max Depth , In.	23.00	0.690
Fineness-Ratio		
Area - Ft <sup>2</sup>		
Max. Cross—Sectional		
Planform	142.60	0.128
Weited		*
Base	41.90	0.0377

MODEL COMPONENT : OMS POD - M16		
GENERAL DESCRIPTION : Configuration	140C orbiter OMS	pod - short pod
External contour is to referenced draw	wings with 1/2" a	dded to simulate
TPS.		
MODEL SCALE: 0.015		
DRAWING NUMBER:	10	
DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_0 = 1310.5$ )	),1n. 258.50	7.755
Max Width (@ $X_0 = 1511$ ), In.	136.8	4.104
Max-Depth (@ $X_O = 1511$ ), In.	74.70	2.241
Fineness Ratio	2.484	2.484
Area - Ft <sup>2</sup>		·
Max. Cross-Sectional	58.865	0.053
Planform		
Wetted	<del></del>	
Base		

MODEL COM	proposition of the second second second		em a complete appropriate and an analysis and analysis and analysis and an ana	,
DENNIRAL D	DESCRIPTION: Ca	onfiguration LAGA	Borbitor OMC no	ulea.
		- <del>Malada in Biri (Malada sa sa</del>	en un emple estre un en	प्पाः विभिन्ने प्राप्ताः स्थापनि स्वत्यं स्वत्यं । के स्वतः १० स्थाः । १९७५
MODEL SCA	LE: 0.030	en i i man de uniqueste en session de instrumente administra minura destada e a andi	rt der viller viller dar jag- und ammilier- der blist dar ille ville ville darför der sen det finde och der de	-Manifestal-Associated Association (Associated Association (Associated Association (Associated Association (As
DRAVING N	UMBER: VL70-000	0140A (Location).	SS-A00106, Releas	s 9 (Contour)
DIMENSION				MODEL SCALE
МАСИ	NO.	•		
G	h - In. imbal Point to Exit hroat to Exit Plane	t Plane		
	ter - In. xit			
T	hroat nlet			
	- ft <sup>2</sup> xit hroat			
Gimba L <b>eft</b>	l Point (Station) - Nozzle	In.		
	χ <sub>0</sub> 2 <sub>0</sub>		1518.0 - 88.0 - 492.	45.54 - 2.64 14.76
Right	Nozzles Ko Yo Zo		1518.0 88.0 492.0	45.54 2.64 14.76
Null 1 Left	Position - Deg. Nozzle Pitch		15°49'	15%491
Right	Yaw Nozwie		120171	120171

Pitch

 $Y_{!\perp W}$ 

15°49' 12°17'

MODEL COMPONENT RUDDER - R		
GENERAL DESCRIPTION Configuration	1400 orbiter rue	ider (identical to
configuration 140A/B rudder).		
MODEL SCALE: 0.030		
DRAWING NUMBER VL70-000146R, 0000	095	
<b>.</b>		
DIMENSIONS	FULL SCALE	MODEL SCALE
Area - Ft <sup>2</sup>	100.15	_0.090
Span (equivalent), In.	201.00	6.030
Inb'd equivalent chord, In.	91.585	2.748
Outb'd equivalent chord, In.	50.833	1.525
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outh'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Trailing Edge	26.25	26.25
Hingeline	34.83	34.83
(Product of area & c) Area Moment (Novembers) , F	t <sup>3</sup> 610.92	0.0165
Mean Aerodynamic Chord, In.	73.2	2.196

MODEL COMPONENT: VERTICAL - Vg		
GENERAL DESCRIPTION: Configuration 1400 orbit (Identical to configuration 1404/B vertical to		·
MODEL SCALE: 0.030		
DRAWING NUMBER: VL70-000140C, -000146B	en der uller emmerkelskelskelskelse – gelegelder – In delig, som ute sussission	-digital-dis- or distribution of the second
DIMEN.JIONE:	FULL SCALE	MODEL SCILE
TOTAL DATA		
Planform  Span (Theo) - In.  Aspect Ratio Rate of Taper Taper Ratio Sweep-Back Angles, Degrees.  Leading Edge Trailing Edge O.25 Element Line  Chords:  Root (Theo) MP Tip (Theo) MP M.C Fus. Sta. of .25 MAC W.P. of .25 MAC B.L. of .25 MAC	413.253 315.72 1.675 0.507 0.404 45.000 26.25 41.13 268.50 108.47 199.81 1463.35 635.52 0.0	0.372 9.472 1.675 0.507 0.404 45.000 26.25 41.13 8.055 3.254 5.994 43.901 19.066 0.0
Airfoil Section Leading Wedge Angle - Deg. Trailing Wedge Angle - Deg. Leading Edge Radiu.	10.0 14.92 2.0	10.0 14.92 0.060
Void Area	13.17	0.0019
Blanketed Area	0.0	_0,0

#### TABLE III (conttd)

ENERAL DESCRIPTION: Configuration 4		
OTE: Identical to Will except airfoil thickness.	Dihedral angle	1s along -
trailing edge of wing.		
MODEL SCALE: 0.030		
EST NO.	DWG. NO. VIJ	0-000140A, -0002
IMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft <sup>2</sup>		
Planform	2690.00	2.421
Span (Theo In.	936.68	28.10
Aspect Ratio	2.265	2,265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees Sweep Back Angles, degrees	-	•
Leading Edge	15.000	
Trailing Edge	45.000	45.000
0.25 Element Line	<u>- 10.056</u>	- 10.056
Chords:	35.209	35.209
Root (Theo) B.P.O.O.	689.24	20.677
Tip, (Theo) B.P.	137.85	4.136
MAC	474.81	14.244
Fus. Sta. of .25 MAC	1136.83	34.105
W.P. of .25 MAC	290.58	8.717
B.L. of .25 MAC	182.13	5.464
EXPOSED DATA		
Area (Theo) Ft <sup>2</sup>	1751.50	1.576
Span, (Theo) In. BP108	720.68	21.620
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords Root BP108		
Tip 1.00 b	562.09	16.863
· ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	137.85	4.136
MAC	392.83	11.785
Fus. Sta. of .25 MAC	1185.98	35.579
W.P. of .25 MAC	295 <b>.3</b> 0	8.829
B.L. of .25 MAC	251.77	7.555
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root b =	0.113	0.113
Tip b =	0.120	0.120
ata for (1) of (2) Sides		
Leading <b>Edge Cuff</b> Planform Area Ft2		***************************************
Leading Edge Intersects Fus M. L. @ Sta		_0.10%
leading Edge Intersects Wing @ Sta	2/13/13/13	15.0

FUSELAGE PRESSURE TAP LOCATIONS -

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TABLE IV. - Concluded.

FUSELAGE PRESSURE TAP LOCATIONS

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TABLE V.

ENO TAPS		Ø			W						8,			39	
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s,				8.5	227	239	£3.	252	2.5	183	250	293	55	308	32/
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720	.793	77.69	١							5765	277	162 062	550	304 305	318
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77SS	121.63.72.	N. A.	١	N. S.	223	7.3	.250	345	1,93	274	53	38	38	35.5	3/6
186	125.	2/3	١	.235	22	15.1	:/63	247	25.5	177	274	133	Ĝ,	502	3/5
WING PRESSURE TAP	623.	17.		550 1380 1350	13	3	33.	337	£3	83	27.3	256	580	705	2.4
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TABLE V. - Concluded

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TABLE VI.

ORBITER VERTICAL TAIL & SPEED BRAKE PRESSURE TAF LOCATIONS

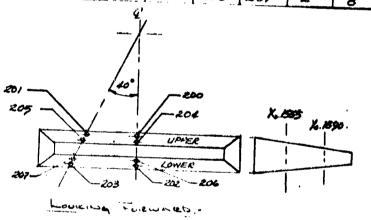
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SPEED B	Z 504.E	009	630	000	683	720	750

#### TABLE VII.

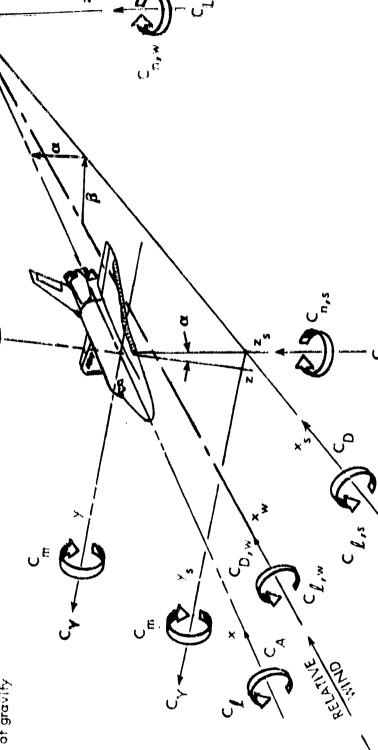
## BOOVELAP FREGSURE TAP LOCATIONS

ORBIT	EC-Xo		Ø-1	PEGREES.	1	
FULL SCALE	MODEL Scale	Xo/L.	0	40	No. TAPS	& No TAPS
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	10.65	1.018	202	203	-2	2
5000		1.046	204	205	- <u>2</u>	-
590L	47.70	1.046	206	207	2	B



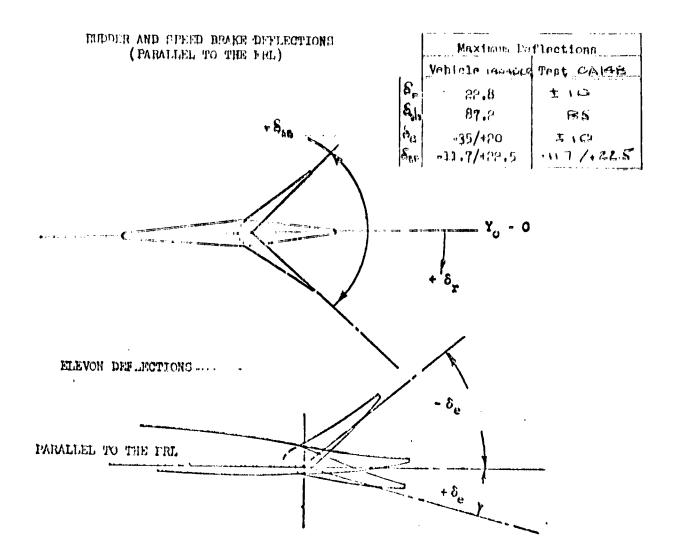
# Notes:

- Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
- For clarity, origins of wind and stability
   axes have been displaced from the center
   of gravity



a. Orbiter Axis Systems

Figure 1. - Axis systems and sign conventions



#### BODY FLAP DEFLECTIONS

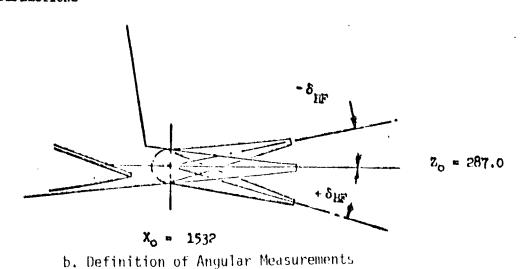
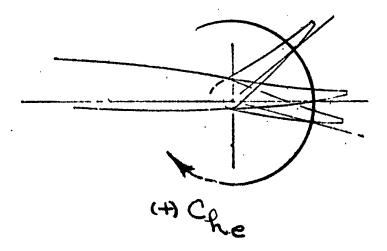
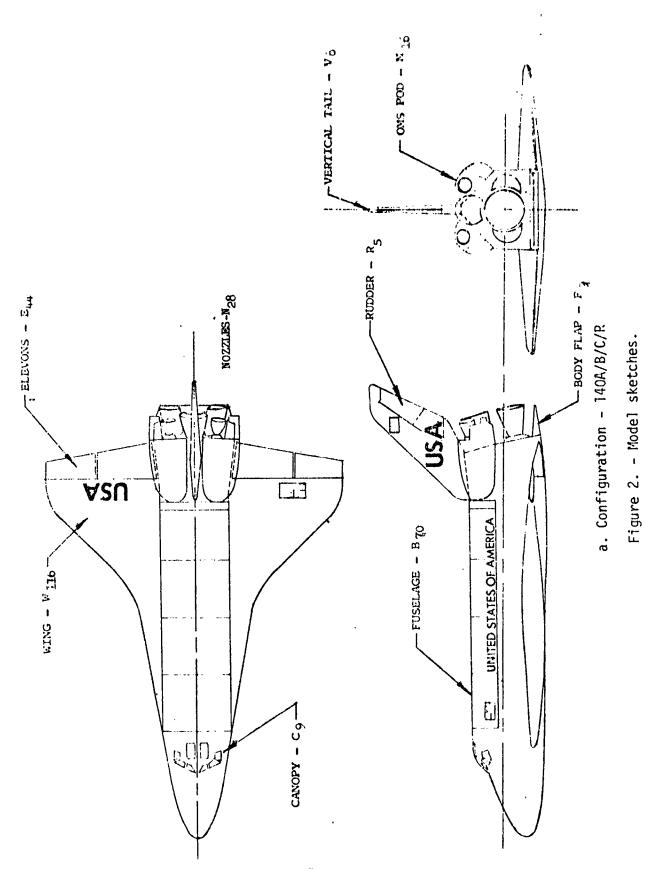


Figure 1. - Continued.



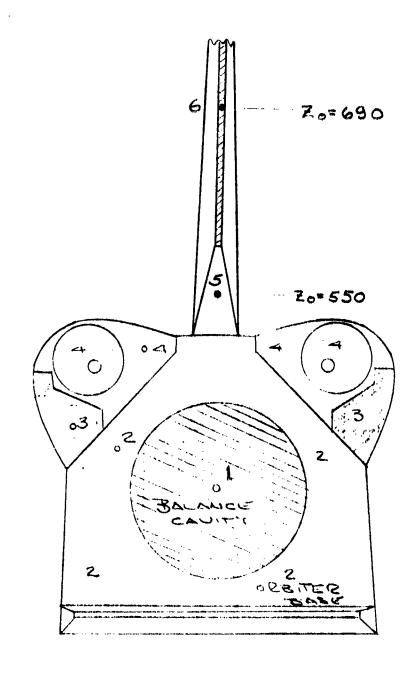
c. Elevon Hinge Moment Sign Convention

Figure 1. - Concluded.



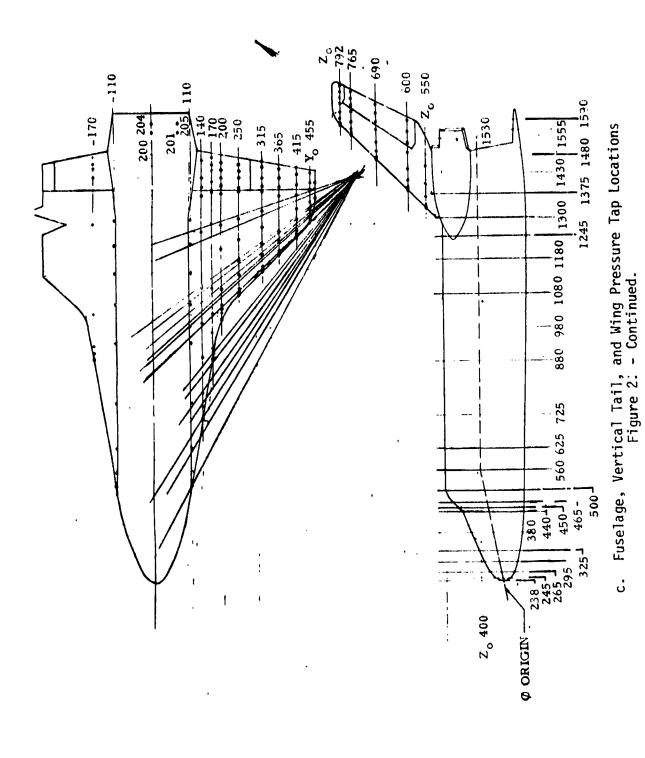
: +

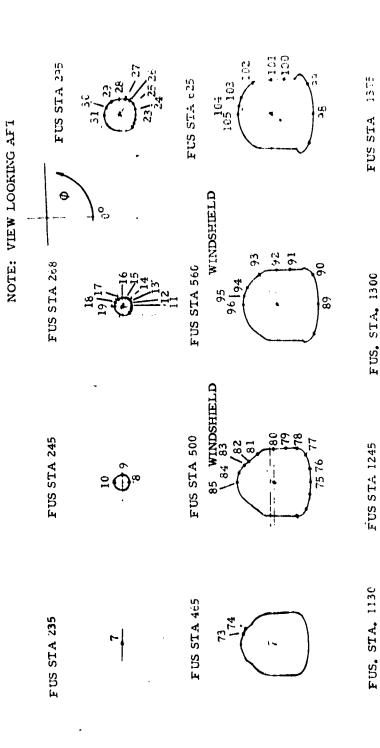
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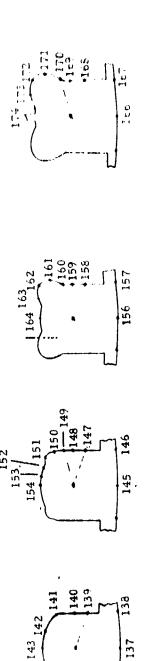


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A3	0 63-4072 (46
Δ-4	00741674

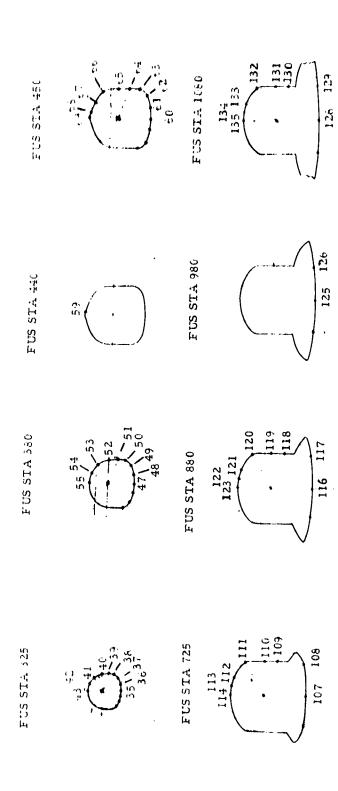
b. Base Pressure Taps and AreasFigure 2. - Continued.

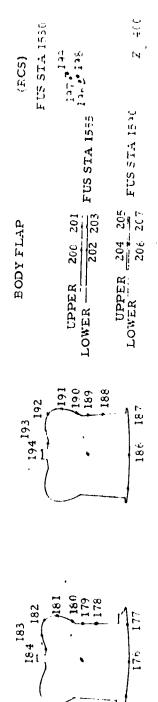






 c. Fuselage, Vertical Tail, and Wing Pressure Tap Locations Figure 2. - Continued.



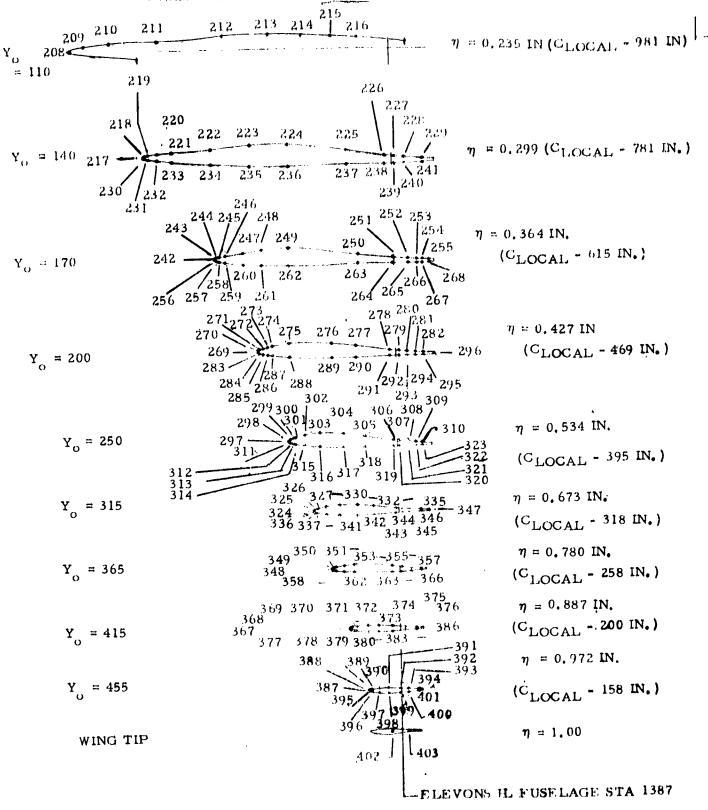


FUS STA 1480

FUS STA 1430

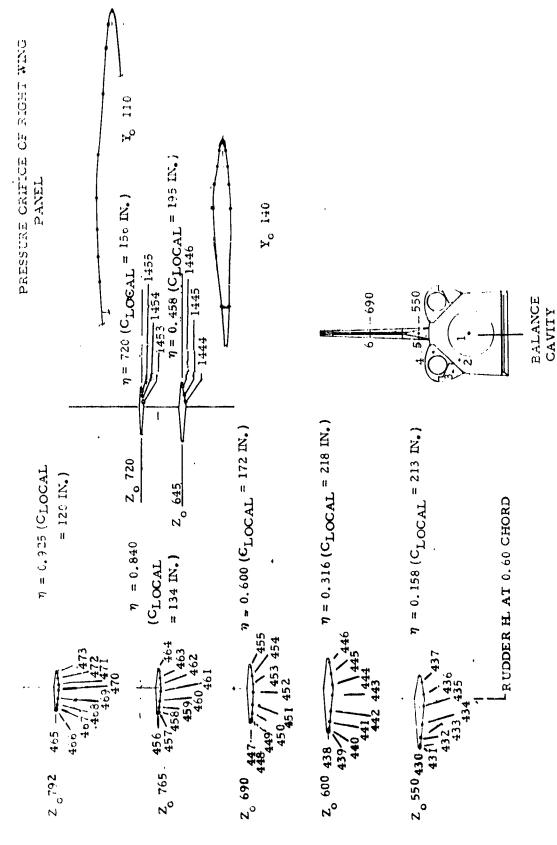
c. Fuselage, Vertical Tail, and Wing Pressure Tap Locations Figure 2. - Continued.

#### PRESSURE ORIFICE LOCATION OF LEFT WING PANEL



c. Fuselage, Vertical Tail, and Wing Pressure Tap Locations Figure 2. - Continued.

a shared a mental of



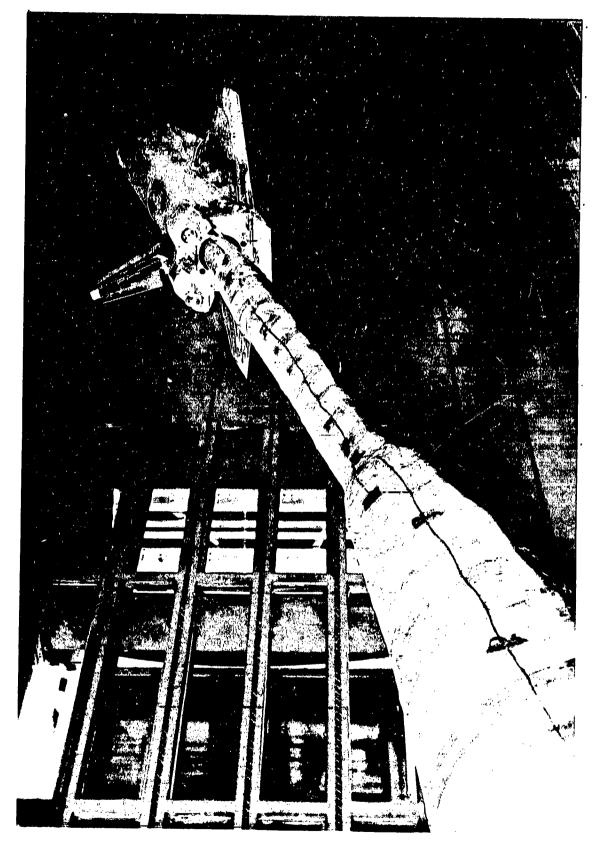
Fuselage, Vertical Tail, and Wing Pressure Tap Locations Figure 2. - Concluded.

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a. Three Quarter Front View of model 47-0 in the ARC 11 x 11 UPWT

Figure 3. - Model installation photographs.



b. Three Quarter Rear View of Model 47-0 in the ARC 11 x 11 UPWT Figure 3. - Concluded.

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(Reverse of this proc is lish.)

#### APPENDIX

٧	OLUME NO.		CONTENTS	PAGES
	3		TABULATED FORCE DATA	1-723
			TABULATED PRESSURE DATA	
			COMPONENT	
4	1, 5		Orbiter fuselage	1-1270
6,	7, 8	(Note)	Lower wing	1271-3146
9,	10, 11	(Note)	Upper wing	31 <b>Q</b> Z= 5404
	12 12		Upper body flap Lower body flap	5405-5773 5774-6142
	13 13		Speed brake Vertical tail	6143-6546 6547-7114
Note:	were a	ctually loca	2Y/BW = .673, X/CW = .775, .850, ted at 2Y/BW = .641, X/CW = .775, Table V on page 47.	.950 & 1.60 .850, .950

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TABULATED PRESSURE DATA - DAIMB : AMES ::-073-; :

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TABULATED PRESSURE DATA - DAIYB ( AMES 11-073-1 )

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TABULATED PRESSURE DATA - 04148 ( AMES :1-073-1 )

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.9720 .1157 .1109 .8870 .4115 .2605 .2607 -.5171 .7830 .2897 .2904 .3947 .6730 3476 47.22 -.3279 80.00 53+0 .4150 . 3842 .2516 9535. **5** 1333 <u>មា</u> មា -,4545 6754. .3855 の 1000 1000 1 (f) (7) (7) 1 (1) (1) 5375.i. iii (1) (1) (1) (1) . 35.5 .3520 1,1 in (ii) CEEZ. C (10) () () () in Tu

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AMES 11-073(04148) -1404/8/C/R 0RB LEFT MING BOT

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## TABULATED PRESSURE DATA - DAINB ( AMES ::-073-1 )

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AMES 11-073(04148) -1404/8/C/R ORB LEFT MING BOT

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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 ) 34 83 # C. 3. \$1

PAGE 2571

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DEPENDENT VARIABLE CP -3.861 BETA ( 1) = SECTION ( 1) LEFT WING BOT SURF 3.928 ALPHA : 31 =

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PAGE 2576	(XE8L58)	*										,										
PRESSURE DATA - OA148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	Q * 599.84 P		.972¢	. 0235	T. C. C.		1	0965		.0001		C410		1045s					2612		
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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

Z Z (XE8L58) 551.34 AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT 599.84 .9720 .9720 O .8870 1.2467 .8870 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP 7800 .7800 -.2698 MACH -.2311 .6730 .6730 -.0784 4.251 -.2475 .5340 BETA (2) BETA (3) -.2360 -.1519 .4270 SECTION ( 1'LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF -.1883 .3540 .3640 3.929 3.933 -. 1463 .2390 . 2990 ALPHA ( 3) = ALPHA ( 3) 2Y/BW

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. J.	DEPENDE	.6730	. 0298		1381				2119	1293	-3.855 MACH	DEPENDENT YARIABLE CP	.6730	. 4873 3454.	.3142		.275¥		.2363	
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3.933 B	WING BOT	3640	0483	-,0164		;	1155	1560	1771			WING BOT	36+3	2392	; ;	.1317	į	, S	.1773	101
•-	DLEFT	.2.30		0707		.0016	0577			1591	∍ 7.956	INCEST W	2990	0318	.0587	t		.0588		
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				AM	TS 11-07:	3(0A14B)	-140A/B	AMES 11-07310A148) -148A/B/C/R ORB LEFT WING BOT	EFT N	IING BOT		_	(XEBL.58)			
ALPHA ( 4)	\$1	7.955	BETA ( )		-3.855											
SECTION	r syleff	THING BOT	T SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP									
2Y78W	0000	0.45.	.4270	0484.	.6730	.7800	.8870	.9720								
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ALPHA ( 4)	. 7.	7.970 86	BETA ( 2)	•	.187 MA	MACH	1.2463	o	• 10	599.67	<b>C</b>	551.57			M	,
SECTION (	1)CEFT	DILEFT WING BOT	SURF		CEPENDEN	CEPENDENT VARIABLE CP	LE CP								•	3
2Y/84	.2993	3640	3754.	.5340	.6730	.7800	.8870	.9720								
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			•	APT	5 11-073	OA148) -	-140A/B/(	1 BRO R/	APES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT		S.	(XEBL58)			
ALPHA ( 14)	1	7.834	BETA ( 3)	n	4.250 MACH		= 1.2463	o	• 599.67	<b>a</b>	. 55	551.57	ENZ.	M M	3.0105
SUCTION :	11187	H119 BOT	SURF		OC PENDEN	OF PENDENT VARIABLE CP	RE CP								
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X/CH 010 020	₩₩	5257 3059	. 2045 - 2045	. 510.7 9754	.4772 .4330	.5244	.5317	1917							
5 5 5 6 8	1345	1040.	•	346.	. 3425	.3561	.3911	600							
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# AMES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT

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		.9720			ø		.9720	0363	į	<b>*</b> //0.		0398			.1388		1961		.0599		
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	DEPENDENT VARIABLE CP	.7800	1818	. 1818		•	DEPENDENT VARIABLE CP	.7800	.6762	.5757		ģ			6044.				É	<u>.</u>	.1647
4.250	DEPENDER	.6730	1490	1466	-3.838 MACH	DEPENDEN	.6730	.6914	.5413		U 4	n 194.		.4273		.4015	.3003		.1030		
		.5340	1978				.5340	.6965 .6042	.4973	.4387	3	<b>* * * * * * * * * *</b>		.3801		.3789	.3058			 346	
BETA ( 3)	SURF	.4270	1559	1630	BETA ( 1)	SUAF	754.	. 2952 14488	1104.	800			.3481	Q A	0	.3663	1.5385			.0732	
	IING BOT	.3640	1260 1260 923 BE		23 BE ING 801	.3540	4042	0393		996		D	7982.	,	Sy.		.2898				
7.894	SECTION ( 1) LEFT WING BOT SURF	. 2990		1.1122	=  1.923	DLEFT .	9662.	1750	.0765		2401.		8								
ALPHA ( 4)		27.84	X/CH 056. 859.	1.000	ALPHA (5)	SECTION ( 1) LEFT WING BOT SURF	247BW		200 200 200 200 200 200 200 200 200 200	600 E	99 # 19 98 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			14.60	ָ הַאָּרָ הַיּבְּי	204.	. 503 . 550 . 565	.637 .637	. 670 075.	5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	

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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

556.9 .9720 .8870 .197 MACH + 1.2454 DEPENDENT VARIABLE CP .7800 -.1037 -.1409 .6730 5771. .0784 -.0062 -.2964 -3.938 .5340 .2705 -.1320 -.0573 BETA ( 1) = ALPHA ( 5) = 11.931 BETA ( 2) = -.0517 . 1068. -.1311 .4270 .2033 -. 1550 SECTION ( INEFT HING BOT SURF SECTION ( 1) LEFT WING BOT SURF . 3640 . 1033 -.0393 -.0955 .1267 -. 0005 ALPHA ( 5) = 11.323 -.0549 . 2930 .0763 .1736 .0680 2Y/EW

.5340 .6267 .5716 .4270 . 104.4 2925 3768 .3540 2990 2Y/BW

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-.4917 -.2712 -.1481

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DEPENDENT VARIABLE CP .7800

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	AMES 11-073(0A148) -140A/B/C/R ORB LEFT MING BOT																₹ 599.32					
PRESSURE DATA - DAIMB ( AMES 11-073-1 )	C/R 0RB			.9720		+5+0·		.0155					2040				σ		.9720	3188		1415 
B C AMES	-140A/B/		BLE CP	.8870	.3123		. · +88		. 1362					0946		6035	1.2454	E CP	.8870	.5407	.5211	•
A - 0A14	(0A14B)		DEPENDENT VARIABLE CP	. 7800			į		. 1559			3053			1281	·	•	DEPENDENT VARIABLE CP	.7800	. 553 <b>6</b> . 5964	.5275	
SURE DAT	S 11-073	. 197	<b>JENBABO</b>	.6730	.3934	. 2923		7711.		. 1851		-, 2007			1045	ecga	4.259 MACH	EPENDEN1	.6730	. 5509 . 5502	-5114	
	AME			.5340	.3712	. 2999		. 1372		.2700		.0821		0597	1373	•		L)	.5340	## ## ## ##	. 4564	S824.
TABULATED		BETA ( 2)	SURF	.4270	.3692	5617			.0805		. 2045 2	1651.		. 6453	- 1106	1632	'A (3)	Sust	.4270	្ត ស្តី ស្តី ស្តី ស្តី ស្តី អ	) ; ;	
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TABULATED FRESSURE DATA - DAINB ( AMES 11-073-1 )

AMES 111073(04148) -1404/8/C/R ORB LEFT MING BOT

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	LE CP	3788.	
	VARIAE	. 7800	
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372 65	MING 80T	36+0	
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.6730	¥7.		.4050	.3754	.2791		.1192	1947	0038		-, 0939	1287
.53+0	.3722		3742	.3531	7782.		.1289	.2538	7970.	(A) (C) (-)		
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	ı.	* * * *																				
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WINS BOT			ø		.9720	8315		9209		į	5524			8491		8148		i	+ 000 ·			
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TABULATED PRESSURE DATA - DATHR ( AMES 11-073-1 )

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             AMES 1:-073(04148) -1404/8/C/R ORB LEFT HING BOT
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TABULATED PRESSUPE DATA - DAINB ( AMES 11-073-1 )
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                                                                                                                                                      ALPHA ( 1) =
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

.203

BETA (2)

-3.894

ALPHA ( 1) =

DATE 10 FEB 76

								= 600.08 P = 707.67 RN/L = 3.1805						
	.9720	3550			3744			ø		.9720	8291	i	#4CC	-,4285
BLE CP	.8870		<b>6690 -</b>		3977		1438	= 1.1006	LE CP	.8870	6515	8506		-, 7988
DEPENDENT VARIABLE CP	.7800	1577	1516	2757		4239		MACH =	T VARIAB	.7800	6330	- 60+8		Br.48
DEPENDE	.6730	2437	1807	2968		3421	1286	4.281 MA	DEPENDENT VARIABLE CP	.6730	8081	7490		- 3102 -
	.5340		1798	4482.	3719	4302		H		5340	5806	5603	2895	2164
SURF	.4270		2589	1831	3749	-,4412	0837	BETA ( 3)	SURF	.4270	. 6353 . 0087 979		0780	·
ITLEFT WING BOT	.3640	1036	- 2044	2120	3048	3552			ING BOT	.3640	0528 0578 0334		.0373	.1052
	.2990			2369	1765	3497	•	F10.4-	DILEFT WING BOT SURF	. 2990	. 1209	1040	!	1637
SECTION (	2Y/BW	X/CW .637 .650 .670 .703	977. 877. 877.	808. 808. 808. 808. 808. 808. 808.	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	្តាស់ សុខ សុខ សុខ សុខ សុខ សុខ សុខ សុខ	1.000	ALPUA ( :)	SECTION (	27.84 24.	X/CK .010 .020 .040	0 m 0 0 0 0		. 157 157 163 163

(XEBL 59)

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT DEPENDENT VARIABLE CP .7800 .6730 .5340 BETA (3) .4270 SECTION ( 17LEFT WING BOT SURF .3640 ALPHA ( 1) = -4.013 .2930 2Y/BW

-.1024 -.0656

-.1358 .0013

-.1900 -.2629 -.4754 -. 0699 -.0325

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PAGE 2590	(XEBL59)	707.43 RN/L = 3.1794																			
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PRESSURE DATA - 0A148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	a = 690.03		.9720	3989	4117		į	2174		0824	1432	9		-1979				3457		
( AMES	40A/8/C	= 1.1008	E CP	.8870	3091	5643		4629	•	0752	, 8			1195	•	1067			·	3747	
- 0A148	0A14B) -1		DEPENDENT VARIABLE CP	.7800	3956 -	5563 -		3733 -		0937	•			 0773	<u>!</u>	9860		1. 26.78		i	
SURE DATA	5 11-0730	-3.852 MACH	DEPENDEN	.6730	4674 5480	4487		2143		0908			0379	•	1562	'	- 0839	- 9156			
TED PRES		1) = -3		.5340	3327 4794	3067	2562	1775		0510	-, 000B		0036		ָּבָּיִרְּטָּ נ	•	0591	2137	i	3117	
TABULATED	·-	BETA ( 1	SURF	.4270	.1333	1. coss	£.0684		0855	- 6	•	. 30 <del>4</del> .	5211			. 1881	500	9	1777		. 2993
		.051 BE	WING BOT	3640	0078	. 0639	מאלט		.0864	0328	8149		,	+0000-	*** **	•	1525	1464	•	2373	2989
8 76		n	DIEFT I	.2990	0467	0885		1083	i F	\$0.3°								1843	9060		·
DATE 10 FEB 76		ALPHA ( 2)	SECTION (	2Y/8W	X) X CH	. 050 680	080. 180. 180.	460 460 150 150 150	. 163 771		250 250 200 200 200 200 200 200 200 200	. 502.	. 550 . 565	. 637 . 650 . 650	. 670 007.	. 750 067 .	277. 807.			•	505.

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

- 0A148 ( AMES 11-073-1 )

DEPENDENT VARIABLE CP -3.852 BETA ( 1) -SECTION 1 THEFT WING BOT SURF .051 .2990 ALPHA (2) PY/BW

.5720 .8970 -.4148 .7800 .6730 -.2902 .5340 -.3751 64Sž.-.4270 .3640 -. 2944

600.03 O -.1160 1.1008 DEPENDENT VARIABLE CP .19: MACH -.0071 .5340 BETA ( 2) 0340 SECTION ( 1) LEFT MING BOT SURF .053 -.2522 ALPHA ( 2) 2Y/BM

.9720 -.2168 -.2109 -.3297 .8870 -.4569 ម្ចាស់ ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី . 7800 -.4403 -.+527 .6730 -.3530 -.2732 -.2350 .2845 .2167 .0583 -.0092 -. C968 . 0000 -.1052

-. 1566 -.0884 -.1590 -.1104 .0025 1690 . 1621 -.1070

-.1237

-. 0552 .0353 -.0295 .0199 .0044 -. 0297 .0232 .0239 -.0648

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-. 3955 -.0353 -. 0024 -.5181 -.0123 ក្នុងស្នាត់ ក្នុងស្នាស់ មួយ មួយ ស្នាស់ ស ស្នាស់ ស្នាស

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PAGE 2592
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                  (XEBL 59)
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                AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT
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 TABULATED PRESSURE DATA - DA148 ( AMES 11-073-1 )
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DATE 10 FEB 75
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                           ALPHA ( 2) =
                                                        2Y/BM
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PAGE 2593												= 3.1827			
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(XEBL59)												707.44			
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T WING BOT												= 600.17			
PRESSURE DATA - CAI48 ( AMES 11-073-1 ) AMES :1-073(CA148) -140A/B/C/R ORB _EFT WING BOT		.9720	1886		2174			!	0 0 1 1 1			o		.9720	.0354
B ( AMES -140A/E/	BLE CP	.8870	0447	1663		1597			3852		1.1441	1.1009	ורב כם	.8870	.0383 .1033
A - 0414	255 DEPENDENT VARIABLE CP	.7800			1247	1488		2837		4209		MACH	DEPENDENT VARIABLE CP	.7800	.0949 .0949
SURE DAT	4.255 DEPENDE	.6730	. ņ251	0490	1921	3000		2728		3177	1641	-3.853 M	DEPENDEN	.6730	.1038
Ø.	33 #	.5340	.0223	0258	1687			2168	3335	3851		) = -3.		. nat.	.1985 .7570 .9470
TABULATED	ETA : SURF	.4270	.037	4908		1964	0925	1825	3015	3637	1408	BETA ( :)	SUBE	C754.	Minim Minim Wich Title
	.049 BI	. 3643			or 7d		1533	1380	2438	3067		.955 86	W.14G BOT	. 3643	ញ្ជាស់ ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស
9 76	1.165	. 2990					1879		1151	i e		3.0	11CEFT 4	C562.	
02. 10 FEB	ALPHA ( 2)	2Y/84	X/CH 0+004. 504.	និស្តិ ទីស្តិត ទីស្តិត	7.88. 688. 678. 697.	25. 23. 25.	. 733 . 868 . 448	628. 689. 789.	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	<u>ក់</u> គ្នា ទូ ខ្លួំ ភូមិ ស្រី ស្រី ស្រី	1.000	ALPHA ( 3)	SECTION (	24/B;	50000000000000000000000000000000000000

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		.9720		0852	<b>1</b>		0148		0721							200	•				
	BLE CP	.8870	•	. 0960		.0681		. 0820		0615			0440					3282			3519
	DEPENDENT VARIABLE CP	. 7800		. 1361		.1314					0197		0573			- KUIS			2670	<u>}</u>	
-3.853	DIPPENDE	.6730		. 1246		. 1383	, 1	. 1672	6490.			1136		0090		9081.			-, 2297		0123
		0+EG.		. 1043		. 1507		. 1661	. 3892			0780		\$0.50°	ţ	0071.		2527	-, 3267		
BETA ( 1)	SURF	.4270	8041.		.0939	í	† •	.:858	1980.				:224	נו כ	) ) )	0332		25,33	ָבָּרְרָנָבְּרָי	7. 34.25 1. 34.25	.3375
3.965 BE	AINS BOT	.35+3	. 1834		. 2320	C360.	<del>+</del> 9+1.			c. R	776.			0329	0590		-, 1823	}	2+93	2573	
# W	DILEFT.	.2390	6010		0 5 5	n 3 1									1:89		1200	1213		-	
ALPHA ( 3)	SECTION : DILEFT WING BOT SURF	27/54	X/CW . 081 . 685	. 153 153	.:63 :77:	កំណុំ ក្នុងព្រះ ក្នុងព្រះ		2 m 2 m 4 f	ក់ កុំ សូមមួយ សូមមួយ សូមមួយ	. <b>6</b> 03	19 C	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00		r i i			2.5.7 2.5.0	្ត ភ្នំ ភូមិ	ရ (၉) (၅) (၅) (၅) (၅)	ញ សូមា សូមា	

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( AMES 11-073-1 )
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SURE DATA -
TABULATED PRESSURE DATA
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10 FEB 75

(XERL59)	P = 707.44 RN/L = 3.1827																	
AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	= 600.17																	
YR ORB	O		. 9720	.0068		6000.	!	+560		0553	1093		1373				3557	
140A/B/C	1.1009	LE CP	. 8870	. 2937	.1353	-	. 1083		.0733	.0768		0727	•	0784			8328	
0A148) -		DEPENDENT VARIABLE CP	. 7800	. 1475	. 1262		. 1589		.1480				0383 0383	077e -		1990	•	
11-0730	. 193 МАСН	NEPENDEN	.6730	1851	.1064		.1388		.1530	.1724	.0657		- 1094	3032		- 1957 -		
AMES	ı	U	.5340	. 1601	. 1281	.1203	.1382		. 1345 R	. 1611	1460.		4120			- 1259 -	. 2536	
	BETA ( 2)	SURF	.4270	.4393 .4175	. 2839	.185+		.1407	2641	; ;	.:893	690	ı	. 1216	.0065	. 54.60.	•	. 2533
	.38· • 9E.	TCB SNIM	. 36+3	1997	 20.01		. 0982	. 2588	.1318	. 1535	i	1780.		•	E C 20.	•	+671.	. 2324
	W.	THEFT M	.2993	.0000	0833		0926			<del>-</del>							. 22:8	•
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11-073(0A148)
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					RN/L					• • • • • • •										
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	T VARIAB	.7800	3616		•	T VARIAB	.7800	.3110	. 1582		. 1625		.1508				0581		0771	
. 193	DEPENDENT VARIABLE CP.	.6730	- <del>1</del>	.0053	4.249 MACH	DEPENDENT VARIABLE CP	.5730	.2290	. 1628		1714		. 1510		. 1536	.0563		1147		
	_	.53+D	3365		n		5340	3748	.2185	198	.1737		1.27:	,		7180.		100	o n i	
TA : 2)	SUPF	0.54°.	3239	7: 10.	BETA (3)	SURF	.4270	. 3951 - 1-2-15	. 3515	ii iii		:902:	į.	oca.	.1759	5769			7.12:6	
S+ BETA	11.G BOT	.36+0	2638		.955 BE	21113 BOT	35+0	3301	255	: : :		-362·	.1920	. 1932			. 0872			
* 3.95¥	DLEFT W	0602		2577	Ø. W	TIFECT M	.2390	<b>353</b> + .0000	1697		437		ם ס							
ALFHA (3)	SECTION C DILEFT WING BOT	247BW	#3/X \$55. \$65.		ALPHA ( 3)	SECTION (	24/84	30.×	ច្ច		er of imali ic.	- mp (	ក្តី ក្តីស្តី ក្តីស្តី	t n c	3, 3, B, 0,	ည်းသည်။ သည်သည်။ သည်သည်။		, , ,	រ. ក្. ស្រួស សូល្ខេស	

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(XEBL.59) AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT -.3348 DEPENDENT VARIABLE CP .7800 .6730 -.2095 -.0195 4.249 5340 .0378 -. 1391 -.2731 ŧ BETA (3) .4270 -. 1055 -.0087 -.2573 SECTION ( 1) LEFT WING BOT SURF .2990 .3540 -. 0918 -.0583 -.1879 ALPHA : 31 = 3.956 -.0379 -. 1214 -.1172 DATE 10 FEB 76 24.79.

PN-708.35 **599.26** O -3.848 MACH = 1.0993 DEPENDENT VARIABLE CP ALPHA ( 4) = 7.908 BETA ( 1) = SECTION ( 1)LEFT MING BOT SURF

-.3540 -.2829 -.3630

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.0385 -.0245 -.0710 .5095 .5009 .8870 ##D#. . 2829 . 7800 .6276 .5:26 .4:65 .3509 .6730 .5676 .5068 .+015 3407 .5340 .6044 .4878 3932 3478 3224 . 4270 .3567 .4653 .5331 .4748 :339: .36+0 -.3909 -.1559 -.0971 . 3359 .3572 .2993 -. 1234 . 8388 . 3385 1600 .0093 2Y/Ex

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## TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

AMES 11-073(04148) -1404/8/C/R ORB LEFT WING BOT -3.848 Ħ 7.938 BETA ( 1) ALPHA ( 4) =

.9720 -.0378 -.0267 .8670 . 1834 .0179 -.0458 -.0051 DEPENDENT VARIABLE CP -.2766 -. 4651 .7800 .0505 -.2933 -.2136 -.305w .6730 7575. . 1611 - 1493 -.0517 -.1759 .53+0 .2663 .:758 . 1521 -.0751 -.2105 £7€. . 2899 -.6302 -.0702 -.2860 -.2130 .0727 -.0325 7500. SECTION 1 THEFT WING BOT SURF .35+0 -. 2255 -. 1304 -. 8362 . 2930 .0529 -.26:5 -.1769

ž 708.35 • 599.26 .9720 .8870 . 5558. CEPENDENT VARIABLE CP .7800 .5179 .189 MACH .6730 .5755 .5179 .5340 .6117 .5173 BETA ( 2) = . +870 . 4556 . 4556 . 4551 SECTION ( ILLEFT MING BOT SURF 3840 7.912 . 2990 -.3337 ALPHA ( 4) \*

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TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )	-140A/B/C/R ORB LEFT NIN. 30.		بر دو	.6870 .9720		. 2828 1026		.2157	035%	. 1653	0676	. 0005	.000	\$6.0.°	0184				3495	2716			+955
TA - 0A146	AMES 11-073(0A148) -		DEPENDENT VARIABLE	.7800		.3485		. 2902					.0327		0074			1391		•	Č	5 to	•
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37. 8.		r	INCEFT	.2990	+		0254										- 0567		i i	1850			
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PRESSURE DATA - DAIWB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT (XEBL59)	0 = 599.26 P = 708.35 RN/L = 3.1817		. 9720	. 3397		2017	****	C#101 -			108]		1364			7071.				3956	
B ( AMES	-148A/B/	1.0993	R CP	.8970	.5076	.3825			.2560		5981		.1367		0328			0333				2719
1 - 0A14	OA148)	u	IT VARIA	.7800	4900 4900	800 <del>1</del> .			.3297		5773.	) :				.0051		0260		:362		•
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_	AMES		-	5340	.5790 0712.	. 4360	.3856		33+5		.3013	1	.2513	. 1595			0136	t- M		. 0858		.2276
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			WING BOT	.36+0	4367	2807		8√22		.3312	.2785		.2931	·	:613			•	0357	. 0037	. : 268	
3 76		= 7.911	DILEPT W	. 2990	5534	1943		1311	•		0721									<del>1552</del>	. 523.	3593
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				AMES	3 11-0730	1 (8+140)	140A/B/C	VR ORB LE	AMES 11-073(04148) - 1404/8/C/R ORB LEFT WING BOT	10		(XEBL59)		
ALPHA C 47 .	7.5	7.9:1	BETA (3)		4.247									
しておける場合	1000	MING BOT	. <u>5.19</u> 7		NGCNGAGO	DEPENDENT VARIABLE CP	ונ כם							
ig ku	2932.	5) 10 10 10 10 10	. +270	5340	.6730	.7800	.8870	.9720						
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SECTION ( )	JEEFT 1	THEFT WING BOT	SUPF		DEPENDEN	DEPENDENT VARIABLE CP	ILE CP				H- 1-			
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT MING BOT

(XEBL.59)

	(XEGL59)														- 710.00 RN				
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	AMES 11-07310A148) -14CA/B/C/R ORB LEFT WING BOT														<b>598.33</b>				
11-073-	7.R ORB 1			.9720		0322		0502							0		.9720	4750	2727
3 ( AMES	-14CA/B/C		LE CP	.8870	.2376		.0601		.1037			-, 1925		6079	1.0972	LE CP	.8870	£608.	in m
- 0A14E	OA1481 -		DEPENDENT VARIABLE CP	.7800			0121		.0758		0461		2463		*	T VARTAB	.7800	.5:73 .5:73	. 5253
URE DATA	11-0730	.197	DEPENDEN	.6730	.3591	. 2280		1240.	12		0733		1755	1745	4.258 MACH	DEPENDENT VARIABLE CP	. 6730	.5935	.55-4
TABULATED PRESSURE DATA - OAIMB ( AMES 11-073-1	AMES	n		.5340	.3585	¥125.		.0683	crrc	,	0142	1489	- 2450		et		.5340	57.53	.5579 -4503.
TABULA1		BETA (2)	SURF	.4270	7807	7275	2		74.00.	1665	±0.70°.	1495	2153	0880	BETA ( 3)	Suar	. 427D	5 t t	
		.872 BE	WING BOT SURF	.3640			.2491			.358	3760·	•	1802		36 558:	ING BOT SUPF	. 3640	10 m 10 m 10 m 10 m	1 3 1
e e		.:.	THEFT W	.2930							5720.	. 0202		-: 1596	œ.	11.EP.	2992	00 00 70 00 00 00 00 00 00	C)
DATE 10 FEE		ALPHA ( 5)	2507104 (	2Y/84	#O/X #O/#.	្លាប់ ស្រួលព ស្រួលព	ត្ត ភូមិ ភូមិ ភូមិ ភូមិ	5. C.		מיני מיני מיני	្ម ស្ត្រី (ភ្លួក ប្រ ស្ត្រី (ភ្លួក ប្រ ស្ត្រី (ភ្លួក ប្រ ស្ត្រី (ភ្លួក ប្រ ស្ត្រី (ភ្លួក ប្រ ស្ត្រី (ភ្លួក ប្រ ស្ត្រី (ភ្លុក ប្រ ប្រ ស្ត្រី (ភ្លុក ប្រ ប្រ ស្ត្រី (ភ្លុក ប្រ ប្រ ស្ត្រី (ភ្លុក ប្រ ស្ត្រី (ភ្លុក ប្រ ស្ត្រី (ភ្លុក ប្រ ស្ត្រិក ប្រ ស្ត្រិ (ភ្លុក ប្រ ប្រ ស្ត្រិ (ភ្លុក ប្	្នុក្ខាធិត្ត ១០០ ១០០ ១០០០ ១០០០	၈ ရက် ရှိချိတ်ချိ	1. 1. 1. 0. 1. 1. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ALPHA CO	35011035	54./B#	(1 ( ) ( ) • • (1 , 1	1117111 121121 1211111

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		.9720		1701			0759		0987			1040						35+1				
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4.258	DEPENDE	.6730		.4582		. 3944		₹305×.	. 2060			.0332		. 1304			0961				2073	1713
3) = 1		.5340		.4473		.3984		.3319	.2323			Č	8 1 1	.2406			0225		1801		2591	
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tı	C 13CEFT	.2990	91019		0:92										ċ	0110		.0876	.0388			:716
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PAGE 2605

55.98 4.988 .988 05 AUG 75 SPOBRK L-ELVN MACH PARAMETRIC DATA (XEBL.60) 16.300 RUDDER BOFLAP R-ELVN AMES 1:-073(04148) -140A/B/C/R ORB LEFT WING BOT 1076.6800 IN. XO .0000 IN. YO 375.0000 IN. ZO XMRP YMRP ZMRP HEFERENCE DATA 2590.0000 SQ.FT. 474.8000 IN. 935.0580 IN. BPEF = SCALE =

.8870 .89803 DEPENDENT VARIABLE CP .7800 -3.841 MACH .6730 5340 BETA ( 11 .427a SECTION : DILEFT WING BOT SURF .3640 -4.03B . 2990 ALPHA ( 1) = 24.00

.9720 -.5114 -1.0878 -1.2515 -1.0275 -1.0381 -.5432 -1.2643 -1.3201 -1.3289 -1.3472 -1.2231 -.6633 -.2952 -.2597 -.2334 -.1327

-1.0508 -1.1584 -1.3182 -1.3656 -1.3768 -.1312

-1.0697 -.4828

-.6182 -1.1392 -1.2205 -1.2463 -.1200 -.1210

547:--. 3214 -.0559

-.9118 -1.1358 -.4657 -. 2690 -. 3979 -.2583 -.2:+32 -.3519 -. 5321

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DATE 10 FEB 75

TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

PAGE 2606

(XEBL.60) AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT -3.841 BETA ( 1) = -4.026 A. PHA ( 1) =

DEPENDENT VARIABLE CP

SECTION CITLEFT MING BOT SURF

1060.7 598.77 .9720 -.2079 O .8870 .0726 .89803 -.1271 .7800 -.0529 -.0179 .202 MACH .6730 .0559 -. 1632 -.0326 5340 BETA (2) .4270 -.1799 -.0363 .1638 1.2403 - 3480 -.3640 -. 1437 -. P.P.P. -4.025 .2990 -.0196 -. 1772 -.2075 ALPHA : 11 2Y/BW

.9720 .8870 DEPENDENT VARIABLE CP .7800 .8730 3540 3754. THEFT MING BOT SURF 3847 0000 0000

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RNI

- 3795 - 10845 - 12879 - 1.0732 - 1.1053 - 7842 - 1.2455 - 1.3410 - 1.3685 - 1.1145 - 4867 -1.1232 -1.2672 -1.2967 -1.1280 00 00 10 10 7.0582

-.6568

-.5881

-.6881 -1.0032 -.9362 -.5122 -.7198 -. 3982 -.0333 -.0585

54045 - .6445 -.3623 -.3168 -.4075 -. 3955 - 2564 -. 2901 7.3131

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                    AMES 11-0731041481 -1404/8/C/R ORB LEFT WING BOT
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  TABULATED PRESSURE DATA - QAIMB ( AMES 11-073-1 )
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CATE 10 FEB 76

ALPHA ( 11 =

AMES 11-073(04148) -1404/8/C/R ORB LEFT WING BOT 4.285 BETA ( 3) -3.994

.9720 .8870 DEPENDENT VARIABLE CP .7800 .6730 5340 .4270 -.3136 SECTION ( 1) LEFT MING BOT SURF 3640 .2530 SY/BH

.4395 .3415 -.3146 -.5294 -.7461 -.5631 -.3501 -.263<u>3</u> -.3529 -. 3252 €.65:0 -.3098 -.2233 -, 7493 -.2825 -.2037 -.2422 .0163

-.2045 -.2362 -. 3232 -.+35!

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-.0395 -.0431 -. 1529 -.0571

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	(XEBL60)	1060.5																			
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	-140A/B/C/R ORB LEFT WING BOT	= 598.75																			
TABULATED PPESSURE DATA - OAIM8 ( AMES 11-073-1 )	C/R ORB LEF	ø		3276.	3072		3559		+.2426		2838		3357			6.50.5				1557	
I AMES	140A/B/	.89813	LE CP	.8873	6211	7464		י אכולני	8	2712		2041		3291			2158			0	
A - 0A148	(0A14B) -	MACH #	DEPENDENT VARIABLE CP	.7800	7558	6798		#7.75°		2386		·		•	3119		2176		301 <i>2</i>	'	
SURE DAT	AMES 11-073(0A148)	-3.855 M	OE PENDE	.6730	8263	5919		7746		2029		1417	2156			3530		i 237	M 01		
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		356 g:	MING BOT	3640	.0883	. naka		Ð <b>+</b> 60.	. 3224	1319		n 10101		103				-, 2084	(p) (n) (n)	en 1. 1. 1.	ψ, 
97 B			115511	. 299C	. 2000	6+CC .		0102	9	ָּהָ ט ט									2378	1- 2- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	. ·
DATE 13 FEE		क्षान्य ।	SECTION :	24 EA	# # # # # # # # # # # # # # # # # # #	ာ ငှာ (	្រុំ ១៣១ ១៣១	9 + 0 9 C G	7.1. 7.7.1.	ນ ທີ່ ຊຸ່ງ ທີ່ ຊຸ່ງ ຊຸ່ງ ທີ່ ຊີ່ ຊີ່	៖ ព្រះ ប្រការ	ក ខ ល ក ភ ភ	ភាព ភេសព ភេសព			. 707. 1097.	ក្នុក ព្រះក្រ ក្រុក្ស	n 45 ab C' 37 C' 35	表 2 (1) E		्र <b>ल</b>

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PAGE 2609

DATE 10 FEB 76

3.5631

(XE8L60)						- 1050.5 RN/L -														
BOT						ئ ت	_													
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT						= 598.75														
C/R ORB L			.9720			o		.9720	3251		٠. 32 <del>4</del> 9		2513		3088		3711		2337	
-140A/B/		BLE CP	.8870		.1142	.9813	BLE CP	.8870	6186	6648		3270		2696		2192		3534		2187
(8414B)		DEPENDENT VARIABLE CP	.7800	.0113		MACH	DEPENDENT VARIABLE CP	. 7800	7129	5579		2301		2239				7.70E		2393
S 11-073	-3.856	DE PENDE	.6730	0693	. 2653	.186	DEFENDE	.6730	6539 5860	+720		ន្ល <u>់</u> ពី		1933		1532	2233		3946	
A.	11 = -3		.5340	0183				.5340	- 4665 - 4750	3655	<b>25</b> :6	1922		- 1404		1343	2144		3552	) } !
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- 04148.		r VARIABL	.7800		0148		0465					2605		2536		1,4201			!	• . 29 to	
RESSURE DATA - 0414 AMES 11-073(0A148)	<b>19</b>	DEPENDENT VARIABLE	.6730		0073		0253		0291	•	1397		2846		1160	5152				1:17	.07m
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 AMES 1:-073(0A148) -140A/8/C/R ORB L	-3.861		.5340		5100.		0080		0232		1217		2033		0543	7002			Focu.	0489	
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<b>3</b> 6	3.975	THEFT MING BOT	.2990	,	. 0562		. 0964 1									1791		1408	2809		0373
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TABULATED PRESSURE DATA - 04148 ( AMES 11-073-1 )
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DATE 10 FEB 75

AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT

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PAGE 2617																	1 - 3.5654					
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A - 0A14	(0A14B)		DEPENDENT VARIABLE CP	.7800				- 1990	2154			3978			5952		MACH .	T VARTAB	. 7800	.3595	.2620	
PRESSURE DATA - DAI48 ( AMES 11-073-1 )	5 11-073	-3.857	DEPENDE	.6730	. 08?¥	0585		2330		<b>*</b>		3857			4405	0715	.194 MA	DEPENDENT VARIABLE CP	.6730	.4334	. 265:	
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TABULATED		BETA ( 1	SURF	.4270	.1182	6410			1607	4/21 -		2841		5043	1036	.0888	BETA ( 2)	SURF	.4270	. 2556 . 3781	, ,	
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DATE 10 FEB		ALPHA ( 4)	SECTION (	SY/BW	X/CH 04.	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.	.637 538	07. 007.	. 750 760 7		0.00 6.00 7.00 7.00 7.00 7.00 7.00 7.00		.865 .879	500. 500. 500. 500.	9 9 9 9 15 2 5 9 9	1.000	ALPHA ( 4)	SECTION (	2Y/BH	#0. 010. 010.	580°	. 380

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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )	
DATE 10 FEB 76	

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	
AMES 11-073(0A148)	.194
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ti		.5340	. 1836		\$1 <b>5</b> 1 .	1770.	0402		1707	0283	7260		- 4892	cou	
BETA (2)	SURF	.4270	.2694	. 1919	. 1520	900				1632	1317	2911	4895	1160	. u /a3
9.028 BE	11LEFT WING BOT	.3640	.2154	.3125	.1804	. 1482		0318		,	1283	1811	3548	1202	
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PRESSURE DATA - 0A148 ( AMES 11-073-1 )	OA148) -	· +S	DEPENDENT VARIABLE CP	.7800	.3468	.2509		. 1581		.0885						1919		2380		3978			
SURE DATA	5 11-073	4.248 MACH	DEPENDEN	.6730	.3988	.2665		.1781		.1148		. 0542		0735			2356		1501	4062			
0.	AME	•		.5340	. 3827	. 2923	.2348	.1780		.1313	•	.0657		0458		,	+, 1711		0478	3463		5085	
TABULATED		BETA ( 3)	SURF	.4270	.2600	.3171	.2560		. 1899		. 1465		. 0960	6711				1582		H	5006	:	1944.1
		8.024 8	11LEFT WING BOT	. 3640	3416 1683	+160		**************************************	.2756	.1654		1491			6000	. 000			Q1 # 1	1.1913		3703	3410
9 76		.8	1)LEFT 1	.2990	.5275	1293		0327		.0863										1751	142g	2994	
DATE 10 FEB		ALPHA ( 4)	SECTION (	2Y/BW	X/CM .010 .020	550.	. 080 . 081	980. 121.	. 163 . 177	25. 25. 26. 26. 26.	ች የት የ	390	.402 403	. 550 500 500 500 500 500	.600	6.3. 6.8.	100 157	750	277. 897.	9.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8	. 857 . 859 . 853	ය. වැනි වැනි	ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື

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PAGE 2620 RNY (XEBL60) - 1059.0 AMES 11-073(QA148) -140A/B/C/R ORB LEFT WING BOT 599.94 TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 ) .9720 .9720 -.3857 -.2298 -.1715 -.2583 -. 1132 .8870 .5268 .5018 -.4797 .89963 .¥160 .8870 .2487 . 1600 -.1068 DEPENDENT VARIABLE CP. .0764 DEPENDENT VARIABLE CP -.1782 -.1144 .7800 .7800 -.1996 -.3623 -.5927 . 5826 . 5573 EtGt. .3321 .2412 -.0871 -3.839 MACH .6730 .6730 -.0070 .5639 .3380 .4562 . 2601 . 1824 .0387 -. 15G .5340 5340 .3315 . 5726 4697 .4003 . 2655 .0620 .1871 -.1103 BETA ( 1) . BETA (3) -. 1248 .4270 .0515 .4270 .4060 .2028 .4120 .4817 -.5958 .2674 .3177 . Ž114. -.1319 SECTION ( 1) LEFT HING BOT SURF SECTION ( 1) LEFT WING BOT SURF -.1108 3640 .36+0 -.5664 -.1433 -.0334 .2757 .4129 . 2949 .2513 1640. ALPHA ( 5) = 11.919 8.324 . 2930 2990 -.477#. .0000 -.0178 .0704 . 1965 DATE 10 FEB 76 ALPHA ( 4) = . 950 . 953 . 955 . 965 X/CF 2Y/BW 2Y/BW

1"

DATE 10 FEB	57.		TABULATED		SSURE DAT	'A - 0A14	B ( AMES	PRESSURE DATA - DA148 ( AMES 11-073-1 )	•				å	DACE 30231
				AM	ES 11-073	(84140)	-140A/B/	C/R ORB LI	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	•-	(XEB	(XEBL BD)	•	•
ñ	=	11.919	BETA ( 1	10 = -3	-3.839									
Z NO I	DLEFT	WING BOT	T SURF		DEPENDE	DEPENDENT VARIABLE CP	SLE CP							
2Y/BM	.2990	3640	.4270	.5340	.6730	.7880	.8870	.9720						
х/СМ . 775 . 798		7560		.0381	0946									
	1403		0799											
. 839 . 850 . 857		1635	. P. 435	2850	3643	3628								
	0945							4970						
978. 209.	2943	3841		י הקהם										
.905. 1919.		4102	4752	3			5039							
0.00 8.00 8.00 8.00			4697	5821	9424	5626								
	1445	800u -	0291		3248	•	902 S.							
ALPHA ( 5) *	11.929		BETA ( 2)		.186 MA	MACH	. B9963	c	1000	c				1
SECTION ( 1	DEEFT 1	WING BOT	SURF		DEPENDEN	ARIAB	بر ده	,		L		RAYL	·	N. 5525
2Y/BH	.2990	.3640	٠4270	5340	.6730	.7800	.8870	.9720						
X/CK .010 .020 .040	.0000	4195 2:39 1164	0053 2569 2569	.5436 .5253	.5208 .5108	.4742 .4918	.4150 .4299	5512						
1	1521		3	9744.	.4386	.4126	.3659							
. 080 . 081 . 086		9781	.3797	. 3863			•	3712						
# 00 1: 00 1	.0038			.3135	.3161	.3050	.2055		**					
	573	.3684	.3102				•	2553						
		.2725	.2576	2519	. 2389	.2161	.1225							
. 390		.2421					ĭ	1873						

ALPHA (5) = 11.929

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT BETA ( 2) = .180
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ž - 1059.0 • 599.9t .9720 -.3096 -.4965 .8870 .0327 -. 1420 -.1947 -.1465 DEPENDENT VARIABLE CP .3495 .3495 .8870 -.5161 .89963 319 DEPENDENT VARIABLE CP .7800 -. 1022 -.3745 -.3677 .7800 .3500 .4199 .3688 -.5654 -.4601 -.5666 MACH .6730 .1587 .0198 .6730 -.1561 -.2737 .4223 .4007 ¥.268 . 1663 -. 1203 . 0229 .5340 .0433 -.3012 -.4611 .5340 £079. .4307 .3510 BETA ( 3) .. .4270 .2007 -.6052 -.2514 -.4781 -.0909 -.0530 -.4601 -.2190 .0833 .3150 D754. SECTION ( 1) LEFT WING BOT SURF SECTION 1 11 LEFT WING BOT SURF .3640 -.0976 . 045B -.4181 .3640 -.2575 -.3888 -.3129 -.2247 -.3632 -. 1557 ALPHA ( 5) + 11.915 . 2990 -.1000 .2990 -.1372 -.1852 7.7927 .0000 -.2860 -.2200 X/Cu . 010 . 020 . 040 . 050 . 050 2Y/BW 2Y/84

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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

.9720 SECTION ( 1) LEFT WING BOT SURF 2Y/BW

-.2671

-.4891 -,445g -. 3595 -.4284 -. 1947 -.2768

-. 5287

-.0765

(XEBL.60)

1

-.4383 -.3306

-.2003

-. 2597

-.6015

-.5722 -.4856 -.5738

## AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

(XEBLB1) ( 05 AUG 75 )	PARAMETRIC DATA	RUDDER = 10.000 SPDBRK = 58.000 BDFLAP = 16.308 L-ELVN = 4.003 R-ELVN = -4.000 MACH = .600	P = 2385.5 FN/L = 4.8+11																			
ING BOI			594.21																			
LEFT H																						
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT			œ		.9720	9392		<b></b> 9052		3274			3165		3019		3646					
-140A/B/	-		. 59638	R CP	.8870	-1.7100 -1.6185	-1.1116			5049		3514		2416		2210	•		2062			
0A14B)		222	• 3	T VARIA	. 7800	1.7060	1.1427		1	5 <del>1</del> 32		3612				·	1992		2207			-, 1906
11-0730		<u>zzz</u>	754 MACH	DEPENDENT VARIABLE CP	.6730	-2.0130 -1.7060 -1.8911 -1.4031	-1.0848 -1.1427			- +92+		3360 -		2126	2041		•	1878		1380		:516
AMES		076.6800 .0000 375.0000	-7.854	u	5340	W 00	8	ģ	•	<b>5</b>										•		••
			=			19 7	ğ, i	70		. i		2987		2059	2045			1620		153		161
	ATA	CHMX CHMX	BETA (	SURF	.4270	-1.0863 -1.1524		6178			3784	2719		1817	2083				1639		1760	
	REFERENCE DATA	80.FT.		41NG B01	3640	6562 5851 5851		:	3383	- <b>3</b> 80	) ) )	3709	2395			2036				1369	אר ה גריי	) }
	REFE	2630,0000 474,8000 936,0\80 0300	¥10.4- = (	C THEFT WING BOT	.2990	2935 .0000	2476		2266		1816					•				•	1574	
		SHEF ** BREF ** SCALE **	ALPHA ( 1	SECTION	2Y/BW	X/CH 010. 020. 050.		)   0   0   0   0   0   0   0   0   0   0	າ. ກິດທີ່ ນັ້ນ ຕິດ	1001.	F75.	라마	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		្តិកុរស កុរសិត កុរសិត	1 0 0 2 40 0 2 40 0	67.0	957. 857.	. 7. 507.	0 <b>0</b> 0 0	0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	. 850

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Par L
                        (XEBL61)
                                                                                                                                                                                 2386.5
                AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT
                                                                                                                                                                                 594.21
 TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )
                                                               37720
                                                                                          -.2177
                                                                                                                                                                                                            .9720
                                                                                                                                                                                                                                        -.8436
                                                                                                                                                                                                                                                             -.7191
                                                                                                                                                                                                                                                                                                        -.3001
                                                               .8870
                                                                                                               -.1338
                                                                                                                                                                                                           .8870
                                                                                                                                                                                                                             -2.0305 -2.1156 -1.8819 -1.8232 -1.7412 -1.9123 -1.5024 -1.7827
                                              DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                   -.9142 -1.0699 -1.0603
                                                                                                                                                                                           DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                                -.4828 -.4768
                                                                                                                                                                                                                                                                                                                                         -. 3429 -. 3313
                                                             .7800
                                                                                                                                                                                                          .7800
                                                                                                                                  -.0579 -.0960 -.0523
                                                                                                                                                                              MACH
                                                             .6730
                                                                                                                                                                                                         .6730
                                                                                                                                                               -.0103
                                                                                                                                                                                                                                                                                              -.4347
-.4347
                                                                                                                                                                                                                                                                                                                                         -.3139
                                                                                                                                                                                                                                                                                                                                                                     -. 2067
                               -7.854
                                                                                                                                                                             -3.832
                                                            .5340
                                                                                                             -. 1579
                                                                                                                                                                                                         .5340
                                                                                                                                                                                                                                                   -.8742
                                                                                                                                                                                                                                                                 -.6492
                                                                                                                                                                                                                                                                                                                                                                    -.1976
                                                                                                                                                                                                                                                                                                                                         -.2723
                                                                                                                                                                           BETA ( 2) =
                             BETA ( 1)
                                                                                                                                       -.0662
                                                           .4270
                                                                                                                 -. 1584
                                                                                                                                                                                                                             - .8257 -
- .8799 -
- .7657
                                                                                -. 1881
                                                                                                                                                                                                         .4270
                                                                                                                                                               .0483
                                                                                                                                                                                                                                                                        -.5320
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                                                                                                                                                                                                                                                                                                                                               -.2498
                                                                                                                                                                                                                                                                                                                   -. 3409
                                         SECTION ( 1) LEFT WING BOT SURF
                                                                                                                                                                                       SECTION ( ITLEFT WING BOT SURF
                                                                                                                         -. 1468
                                                                                                                                              -.0812
                                                           .36+0
                                                                                                                                                                                                       .3640
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-.3830
-.3485
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                                                                                                                                                                           -3.998
                              10.1-
                                                                                                          -.1678
                                                          .
990
                                                                                            -1714
                                                                                                                                                                                                       .2990
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                                                                                                                                                      1.040.-
                                                                                                                                                                                                                                                                                     -. 1533
                                                                                                                                                                                                                                                  -.1714
                                                                                                                                                                                                                                                                                                                        -. 1227
DATE 10 FEB 76
                                                                                                                                                                         ALPHA ( 1) =
                            A!_P!!A ( 1) =
                                                                     2'7'Bh
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-.2667

-.2023

-.:987

-. 1654

-.2155

(XEBL61)

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AMES 11-07310A1481 -140A/B/C/R ORB LEFT WING BOT
                                -3.835
                                BETA ( 2) .
                              ALPHA ( 1) . -3.998
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Z - 2386.5 594.21 .9720 -.2521 9720 .8870 -.5676 -1.7760 -1.9076 -2.1906 -1.9565 -.6158 -1.3595 -1.4937 -1.6141 -1.8203 -.5780 -.2223 -.1.33 .59638 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 -. 1909 .201 MACH . -.1911 -.1613 -.1996 . 7800 -.0667 -.0862 -.0529 .6730 .6730 7710. -.1870 -.1533 -.1356 -.1614 .5340 .5340 -. 1597 BETA ( 3) = -.0682 . 4270 -.1861 075، -. 1656 .0602 1.1644 -.1561 SECTION ( 1) LEFT WING BOT SURF SECTION ( DILEFT WING BOT SURF .3640 -.0817 -.1508 36+0 -.2251 -.2034 -.1892 -. 1937 -.2015 -. 1905 ALPHA ( 1) \* -3.980 .2990 -.1574 -. 16-5 -.0527 -, 1003 -.1616 27 / BM

-.3641 -.4041 -.4277 -.4179 -.5794 -.4343 -.:328

-. 9346

-.7638 -.8426 -.9050 -.9647

-.0992

-. 7445

-. 3976

(XEBL61)

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AMES 11-07310A148) -140A/B/C/R ORB LEFT MING BOT
    TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )
                                                                                                        -.2486
                                                                                                                               -.2358
                                                                                                                                                                  -. 2267
                                                         .8870
                                                                                       -.2507 -.2957 -.3155 -.3022
                                         DEPENDENT VARIABLE CP
                                                                                                                   -.2082
                                                                                                                                                -.2003
                                                                                                                                                                                -.2047 -.1897
                                                                                                                                                          -. 1873
                                                                                                                                                                                                                      -.1916 -.1633 -.1993
                                                                                                                                                                                                                                                                       -.0510
                                                      .6730
                                                                                                                -. 1952
                                                                                                                                                                                          -. 1287
                               .201
                                                                                                                                                                                                                                                                      -.0732
                                                     .5340
                                                                                                               -. 1847
                                                                                                                                -. 1914
                                                                                                                                                                        -. 1643
                                                                                                                                                                                          -. 1520
                                                                                                                                                                                                                                                                      -.0536
                                                                                                                                                                                                                                                    -. 1643
                          BETA (3)
                                                   .4270
                                                                                                                  -. 1643
                                                                     -.2987
                                                                                            -.2259
                                                                                                                                    -. 1550
                                   SECTION ( 1) LEFT WING BOT SURF
                                                                                                                                                                                   -.1650
                                                                                                                                                                                                                           -. 1842
                                                                                                                                                                                                                                                        -.1683
                                                                                                                                                                                                    -. 1626
                                                                                                                                                                                                                                                                         -. 0735
                                                  .3640
                                                                               -.2766
                                                                                                                                              -. 1895
                                                                                                                                                                                                                                                             -. 1497
                       ALPHA ( 1) # -3.980
                                                                                                                                                                                                              -.1939
                                                                                                                                                                                                                                             -. 1865
                                                                                                                                                                                                                                                                              -.0803
                                                 .2990
                                                                        -.0762
DATE 10 FEB 76
                                                                                                                                                                                                        -. 1535
                                                                                                                                                                                                                                                -.1642
                                                                                                                                                                                                                                     -. 1528
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                                                                                                                                                                                     2Y/BW
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.0504

.0390

PAG		(	1																				
		Š																					
	(XFR AL)	3016								***		,		-									
		۵	•																				
3-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	100 to 10		6	и	1																	
11-07	C/R OR	O		9726	- K72E		4250		2417			2050		- 1984		į	1848 					1021 -	•
48 ( AMES	-140A/B/	. 59638	ABLE CP	.8870	77	8154		3828			2755		1885		1891		•	1768				•	1187
- 0A1	(0A14B)	MACH	IT VARI	.7800	-1.9463	8013		3707		5	, 185.					1747		2012			1948		
ABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )	S 11-073	4.282 M	PEPENDENT VARIABLE CP	.6730	-1.5746 -1.2548	7232		3550		0000		i I	<b>5</b>	1851		•	1830	•	1263		1613		
ATED PRE	AM	# (± )		.5340	-1.4252	6423	4870	3189		1756 -		1730	0677	1798			1620		- 1456		1877		1606
TABUL		BETA (	T SURF	.4270	3597		3453		254B		1973		1533	1683				1593	į	135 135 135 135 135 135 135 135 135 135	1761		1533
		-3.998	HING 801	.36+0	0987	0585	0496		1237	2184		1702			1735				1342	1787	?	. 1.764	報:
FEB 76		H	( I)LEFT	.2990	.0435	1+50	- 0553		#24D										·	1548		1515	. 1824
DATE 10 FI		ALPHA ( 1)	SECTION	2Y/BH	X/CW .010 .023	000	10 ± 10 ± 10 ± 10 ± 10 ± 10 ± 10 ± 10 ±	1.00	2017	\$ 0 6.4.	a g N	004.	00 B.	ក្សាសុខ ភូមិស្តី ភូមិស្តី	. 637	076. 00.		. בפר	ი ტი დ - ი . - ი .		6.00 7.00 6.00 6.00 6.00 6.00 6.00 6.0		

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PAGE						•														
						1 S		_									<del></del>			•
(XEB_61)						- 2386.5														
						٥														
WING BOT						594.21														
ABULATED PRESSURE DATA - OAIHB ( AMES 11-073-1 ) AMES 11-073(DAIHB) -IHDA/B/C/R ORB LEFT WING BOT			.9720			0		.9720	4396			<b>1</b>			1624		1650		697.	
8 ( AMES		BLE CP	.8870		.0686	. 59638	BLE CP	.8870	-1.4863	7218		3449		2490		1705	1712		<b>1</b>	
A - 0A14 (0A148)		DEPENDENT VARIABLE CP	. 7800	0515		MACH .	DEPENDENT VARIABLE CP	.7800	-1.6031 -1.1059	6996		3259		2463				1586	1001	569:
RESSURE DATA - OAL <sup>4</sup> AMES 11-073(OA148)	4.282	DEPENDE	.6730	0599	.0521	8.352 M	DEPENDE	.6730	-1.2530 -1.6031 9498 -1.1059	6022		3097		2381		. 1654	- : 587		:757	
TED PRES	H		.5340	0630		4		.5340	-1.0326 8524	5125	3925	2622		1996		1583	1571		:593	
TABULA	BETA ( 4)	SURE	.4270	0659	. 0555	BETA ( 5)	SURF	.4270	1289	י פטק	2520		2043	i V	er er	1375	2:00			1510
	9 666	HING BOT	.36+0	0793		8 500.4	HING BOT	.3540	. 00.05 . 00.05 . 00.05	ָּהָ טובי יבי	.0129		0553	1666	C1111.			1636		
S7 E		11267	0662		9 9 9 1	1	THEFT !	.2993	0189	32+3		3316	6							
DATE 10 FEB	ALPHA (	SECTION (	2Y/84	MUNICO MU	දුරු සිට්ට :	ALPHA ( 1)	SECT 10% (	2Y/84	X/CH . 010	រ ក វ កូ កូ	200. 200. 200. 200. 200. 200.	្រុ ប៉ូ ម៉េ ម៉ូ ប៉		្តែកំពុះ ភូមិ ភូមិ	i Principi Principi	0 %   0 %   1 ±	សំសួសម៉ា មួយសូម មួយសូម	689 589	មួយ មួយ ស្រួល មួយ ស្រួល មួយ	ម្តា មាលា ក

AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT

(XEBLB1)

BETA ( 5) 3 BOT SURF 3540 .42701446 7261446 726 4341472 4341472 8670604 867 .0606 8ETA ( 1) 801 SURF 540 .4270 .0606 8ETA ( 1) 801 SURF 540 .4270 .0606 8770 .0606 8771 .0606 8771 .071 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721 .0721	8.352	DEPENDENT VARIABLE CP	.5340 .6730 .7800 .8870 .9720	3511194		.77815301810	-,0816	+98·-	54 0409 0408	9080	-7.895 MACH = .59624 0 = 503.84 B = 0		340 .6730 .087. 0578. 0578. 045.	271929387917066 1997123732875591992	487450454763	9.1779	112244221022721772		5176517421772
	(2)	SURF		7	9441	7		ï		.0605	_	SURF	ιċ	9.0				. 1948	
	-4.005 8	WING BOT	. 3540	GP-1		1726		1726	1434 1434	0867	.015 BE	AING BOT	.3640						

PAGE 2E31

(XEBLB1)

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AMES 11-073(04148) -1404/B/C/R ORB LEFT WING BOT
                                               .9720
                                                                                                                               -.1820
                                                                                                                                                                                                                       -.1578
                                              .8870
                                                                    -. 1309
                                                                                                         -.1639
                                                                                                                                                   -.1903 -.1705
                             DEPENDENT VARIABLE CP
                                              . 7800
                                                                                                                                                                                                     -.1749 -.1511 -.1926
                                            .6730
                                                                  -.1140 -.1193
                                                                                         -.1440 -.1402
                                                                                                                                    -.1610
                                                                                                                                                                 -.1245 -.1065
              -7.895
                                            .5340
                                                                                                                                          -.1340
                                                                                                                                                                                                                                         -.1578
             BETA ( 1) =
                                                                                      -.2639
                                           .4270
                                                                        -.0920
                                                                                                                                                                                                           -.1704
                                                                                                                                                         -.1409
                                                                                                                                                                               -.1450
                         SECTION ( INLEFT WING BOT SURF
                                           .3640
                                                                                                           -.1574
                                                                                                                                                                       -.1164
                                                                                                                                                                                            -.1845
                                                                                                                                                                                                                                 -. 1806
            .015
                                          .2990
                                                                                                                                                                                     -. 1409
                                                                                                                                                                                                                         -.1466
                                                                                                                                                                                                                                       -. 1525
           ALPHA ( 2) =
                                        2Y/BH
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Ž - 2386.1 593.85 . 59624 -3.851 MACH .. BETA ( 2) = SECTION ( I)LEFT MING BOT SURF . 022 ALPHA ( 2) .

-.0626 -.0801 -.0549

-.0586

-.0700

-.0317

-. 1542

- 13g

型0.

7170.

.9720 .8870 DEPENDENT VARIABLE CP -.7452 -.6435 .7800 .6730 -. 7889 -. 609+ -, 7051 -, 6835 5340 .4270 .0402 .0390 .0161 3640 .2990 .0000

-.5944 -.6915 -.4412 -.4525 -.4123 -.4151 -. 3229 -.0183 -.1417 -.2473

-. 0204

-.1657

4.

DATE 10 FEB 76	3 76		TABUL	ATED PRE	SSURE DA	TA - 0A1	HB ( AMES	TABULATED PRESSURE DATA - OAIW8 ( AMES 11-073-1 )	
				AM	ES 11-07	AMES 11-07310A148)	-140A/B/	-140A/B/C/R ORB LEFT WING BOT	
ALPHA (2)	n	. 022	BETA (	- = (2	-3.851				
SECTION (	17LEFT	I ILEFT WING BOT	T SURF		DEPEND	DEPENDENT VARIABLE	BLE CP		
2Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	
	i K	. 0225	2295						
	0360	- 0813		2020	2040	1971	2151	1711	
. 229	0206		1647						
ָ מַלְינָה מַלְינָה מַלְינָה		1460	1241	1337	1591	1673	1685		
390		1045				•		.1297	
20.			0833	106¥	109≄		1292		
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.637 5.83		1460					1671	•	
. 679.						1491		- I	
. 755 257.				-,1346	1596		·	1755	
			1408			1923	1654		
د//. 867.		1178		1237	1071				
	1433		1400						
.839		1834							
			1728	1812	<u> </u>	1947			
1	. 1399						•	1416	
ກ່ວງ ດ ພວກເ	1480	- 1829		- 1548		•	1352		
0 C		1471	<u>.</u>						
	, 1111 1111 1111	0789	0634	0655	0711	0554			
1.000	. (433		.0654	•	50%0.		.0537		

PAGE 2632

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		•											•			•		•	,		
<b>~</b>	NES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT	. 593.85																			
TESSURE DATA - 0A148 ( AMES 11-073-1 )	C/R ORB LE	σ		.9720	1650	į	\$0±1		1782		1304		16 <b>4</b> 2		1768					1293	
B ( AMES	-140A/B/	+5962. =	ALE CP	.8870	5175	3999		1995		1607		1316		1647			1083			r F	j.
- 0A14	0A14B)		IT VARIA	. 7800	5865 5196	3864		1805		1567					1581	į	s S		199 <sup>‡</sup>		
URE DATA	11-0730	.189 MACH	DEPENDENT VARIABLE CP	.6730	6013 4926	3472		1721		1424		1058	1380			1660	1088		1629		
8	AMES			0426.	516 <del>4</del> 5137	3284	2619	1761		1230		1033	1298			1395	1265		1804	i i	
TABULATED		BETA (3)	SURF	.4270	.0934	1 355	1589		1330		1083	0793	2178				1430	1456	1724		1653
		.105 B	HING BOT	.3640	.0632 .0587	9/ on .	0667	Ì	0058	1216	Š			1393				1128	1802	1824	1517
8 15			DIFEFT I	.2990	0000 0000	.0008		0099	Ç	1000 2000								1	<u> </u>	1360	
DATE 10 FEB		ALPHA ( 2)	SECTION (	2Y/BW	X/CH .010 .020	50.0		100 100 100 100 100 100 100 100 100 100		7 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.5. 2.45.	204. 204.	. 550 . 550 . 550 . 563	.600 .637	07.8	007. 257.			. 839 839 839 728		

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-	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT					•	- 593.85														
ABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )	CAR ORB L			.9720			ø		.9720	1512		1558 5	;	1621			1275	1666		1836	
B ( AMES	-140A/B/		XE CP	.8870		. 0642	.59624	LE CP	.8870	3517	3046	•	1796			1438	1227		1554		1678
A - 0A146	(0A148)		DEPENDENT VARIABLE CP	.7600	0608		MACH	DEPENDENT VARTABLE CP	.7800	4158	3004		1502			- 1321 -	·			1462	- 6261
ISURE DAT	S 11-073	.189	DEPENDE	.6730	0658	.0558	4.264 M	DEPENDE	.6730	4438	2751		1490			1257	0984	1330		1617	
NTEO PRES	AME			.5340	0647				.5340	3463	2492	2089	1418			1004	0962	1292			1 380
TABUL		BETA (3)	SURF	.4270	0741	.0616	DETA ( 4)	SURF	.4270	1495	0000	1062		1601		0891	•				1417
		.105	1 : LEFT WING BOT	.3640	0909		.100	DEFT MING BOT	.3640	.0583 655	n	.0883		.0340	0865		0742		1378		
97 8:		ţı		.2990			•	DIFEFT	.2990	0302	0110		0142		. 0050						
DATE 10 FEB		ALPHA ( 2)	SECTION (	24/BH	X/CH . 950 . 953 . 953	1.000	ALPHA ( 2)	SECTION C	27/BH	X/CH 010.	020	288.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.	. 150 4 051	163	223 24 24 24	8. Y.	, m , 1 , m , 1 , m , 1		009. 75.3.	2.1. 2.1. 2.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.00 1.0.000 1.0.00 1.0.00 1.0	. 037.

AMES 11-073(04148) +140A/B/C/R ORB LEFT WING BOT TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 ) .9720 .8870 DEPENDENT VARIABLE CP .7800 .6730 -.1825 -.1615 -. 1134 4.264 .53+0 -.1228 BETA ( 4) = .4270 -.1749 -. 1374 SECTION ( 1:LEFT WING BOT SURF 3540 -.1176 -.1743 -.1727 . 130 .8990 -.1380 -.1387 DATE 10 FEB 75 ALPHA ( 2) . 908 . 838 . 838 . 838 . 850 . 857 . 857 . 900 . 900 . 900 . 903 . 955 . 955 . 955 . 955 2Y/BW

RN/L 2386.1 593.85 5470. .5962+ DEPENDENT VARIABLE CP 8.317 MACH .0667 BETA ( 5) = .0523 SECTION ( 1) LEFT HING BOT SURF 9680.ф. -.0559 ALPHA ( 2) =

-.0543 -.0592

-.0676

-.0744

-.1599

-. 1592

-. 1503

-. 1529

.9720 -.1638 -.2453 .8870 .7800 -.2753 .6730 -.2825 -.2433 -.1665 .5340 .4270 .3640 -.1105 . 2993 2Y/BW

-.2363 -. 1898 -.1511 -. 1431 .1902 .1557 -.0312 .0107 -.0428

-.1830

-.2507

-.1165 -.1258 -. 1105 - ロギない . 0866 -. 0264

-. 0694 -.0725 . 0021

-.0626

-. 1420

-.0890 -.1130 -.1280

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AMES 11-073(0A148) -140A/6/C/R ORB LEFT WING BOT

8.317

BETA ( 5) =

<del>1</del>60.

ALPHA ( 2) =

DATE 10 FEB 76

TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

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													N.					
								•					# 2385.4					
													<b>Q</b>					
													- 595.26					
	.9720		1719		1887				1206				ø		.9720	.0160	4400	
BLE CP	.8870	1192		1595		1635				1208		.0855	.59706	רב כם	.8870	.2388 .0773	.0151	
DEPENDENT VARIABLE CP	.7800			1206	ORC T	1845		1852			0549		•	T VARIAB	.7800	.0327	0145	
DEPENDE	.6730	0867	1306		1575		1090	1549			0470	.0740	-7.901 MACH	DEPENDENT VARIABLE CP	.6730	.0358	- 0464	
	.5340	0899	1244		0141		- 1163	1750		1577	0645				.5340	.0055		0699
SURF	.4270	0711	2632			1403	1315	1714		1557	0778	<b>1</b> 640.	BETA ( 1) .	SURF	.4270	.3308 .2312		·
TILEFT WING BOT SURF	.3640			13¢!			1176	624	1691	1480	09¿6			IING BOT	.3540	. 1485 . 1488		
	. 2990								1349	1543	į	6713	4.324	I TEET H	.2990	. 6000	.0720	
SECTION (	2Y/84	204. 204.	. 555 656 866 866 866	. 637 . 650		037. 037. 757	808 808 808 808 808	. 839 . 850 . 778		1994 1976	ម. ម. ម. ជ ភ ម.	1.000	ALPHA ( 3)	SECTION ( I) LEFT WING BOT SURF	2Y/84	X/CN .010 .020	. 055 059 069	080

	(XEBLB1)																							
TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT			.9720		-, 1079			-, 0592		1269		689	7					<b>3</b>	-1817				
B ( AMES	-140A/B/(		RE CP	.8870		0012		0206		0410		1211			1305						1492			5
4 - 0A14	(OA148)		DEPENDENT VARIABLE CP	.7800		.0131		0175					0977		1720			1001	. 1 204				0521	
SURE DATA	5 11-073	-7.901	DEPENDE	.6730		0082		£+10		0150	T+T0			1172		0735		1206	1.1583				0583	9
TED PRES	AMES			.5340		0266		0044		0205	0726			0946		0937		1011			1416		0571	
TABULAT		BETA ( 1) =	SURF	.4270	0128		0137	į	uuse	7000	Ť.				1081		1100		1498		3		0505	0.756
			ING BOT	.36+0	.1634		.0932	0178		ucos		1200				0827		1507		į	1355	1255		
35		4.024 =	INLEFT WING BOT SURF	.2990	e e		į	Secu.									12.1	:		1141	:281			0219
DATE 10 FEB		ALPHA (3)	SECTION (	2Y/8W	X/CW .091 .085	150	163	ກູ້ເກີດ ກູ້ນີ້ ກູ້ຄຸດຄູ່ເ	, w	5.3.3.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5		699		. 700 257.	. 750	5. S.			6.69 7.08 1.08	9. 8.89. 8.69.		900	ن نېښو نېښو	ဂူမာ ဗေ ဂို ကို ဗေ

(XEBL61)	P = 2385.4 RWL = 4.8591	•																	,				
NG BOT																							
EFT WI	* RU		•																				
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	o		.9720	0763		0780		1325			0950	-	1565		4.01						1987		
-140A/B/C	.59706	BLE CP	.8870	. 1089	.0264		0145			0353	•	0475	•	1297	•	•	1436				•	15u7	
0A14B)	• 5	T VARI	.7800	. 2083 . 0705	5,000.		.0161			0180					1089		-· 1688			1923			
5 11-0730	-3.849 MACH	DEPENDENT VARIABLE CP	.6730	.0948	0134		0010			0132 -		017	0815		•	1299	•			- 1496 -			
Ų. V	•		.5340	.0166	0184	0372	0112			. 0001		0203	0788			1082°		0975		1646 -		1506	
	BETĄ ( 2)	SURF	.4270	.333 .2729 .138	}	.0195		7000		6100.		0031	2586				1159		1112	1543			1001.
	4.026 BE	THEFT WING BOT SURF	.35+0	. 1145	•	1709	•	. 1263	1+,00		oca <u>s</u>	•	•	0895			•	0885		0/01.	( ;	1643	1353
			.2990	.0000	.0439		. 0398		. 0583		•			•				•	表11	ı	:127	. 1369	•
	ALPHA : 31	SECTION (	2Y/8h	x7.7x .010. 050.	050. 680.	000 000 1000 1000 1000	2001 2001 2001	163	655. 8-5-	ທ ທ່ ຕິບ ຕິ ຈະ ເ	ስር! ( ትር! ር ማ M ::	ាល់ ភេទ វេទ	្តិ ពិធី ពិធី ពិធី ពិធី ពិធី ពិធី ពិធី ពិធ	. 6.37 C. 6.33	92.5	8.4. 5.4.	20 (2)			. 855 . 857 . 853			616

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Z
               (XEBL61)
                                                                                                          2385.4
            AMES 11-073(04148) -1404/B/C/R ORB LEFT MING BOT
                                                                                                         595.26
TABULATED PRESSURE DATA - DATHB ( AMES 11-073-1 )
                                              .9720
                                                                                                                                                                                                              -. 1605
|-
                                                                                                                                                                         -.1558
                                                                                                                                                        -. 1707
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                                                                                                                                .8870
                                                   .8870
                                                                                                                                                                   .0213
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                                     DEPENDENT VARIABLE CP
                                                                                                                  DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                                 -.1407
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                                                                                                       .195 MACH
                                                 .6730
                                                                   -.0644
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                         -3.849
                                                 .5340
                                                                   -.0608
                                                                                                                               .5340
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                                                                                                                                                                              -.0060
                                                                                                                                                                                                                                            -.0041
                                                                                                                                                                                                                                                                                    -.0763
                                                                                                                                                                                                                                                                   -. 029
                                                                                                                                                                                                                                                                                                                              -.1106
                        BETA ( 2) =
                                                                                                      BETA ( 3) =
                                                                                                                             .4270
                                                                        -. 0652
                                                 .4270
                                                                                                                                                .2800
.2800
.1465
                                                                                                                                                                                    .0514
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                                                                                                                                                                                                                                                                        -. 0063
                                                                                          . 0664
                                                                                                                                                                                                                                                                                          -.2506
                                                                                                                                                                                                                        .0136
                                  SECTION ( 1) LEFT WING BOT SURF
                                                                                                                SECTION 1 11LEFT HING BOT SURF
                                                 .36+0
                                                                             -.0767
                                                                                                                              .3540
                                                                                                                                               . 1556
                                                                                                                                                                                                                  . 1389
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DATE 10 FEB 75
                       ALPHA ( 3) =
                                                                                                    ALPHA ( 3)
                                                          X/CH.
.950
.953
.955
.955
                                                                                                                             2Y/84
                                                2Y/BW
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TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )
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AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT DEPENDENT VARIABLE CP BETA (3) SECTION ( 1) LEFT WING BOT SURF 4.034 . 2990 DATE 10 FE9 76 ALPHA ( 3) . 2Y/BH

.9720 .8870 . 7800 -.1526 -.2002 -.0564 -.0728 .6730 -. 0900 -.0687 .5340 -.1052 -. 1652 -. 1526 -.1583 .4270 -.069€ -. 1168 -. 1604 . 364g -.0873 -. 1433 -.0918 -. 1647 -.0558 -.1166 -. 1405 -.1190

595.26 .0344 .0703 .0701

.9720 .8870 . 59706 DEPENDENT VARIABLE CP 4.25+ MACH = BETA; ( 4) SECTION 1 TILEFT HING BOT SURF f. 044 ALPHA (3) = 2Y/BH

2385.4

. 2567 . 1439 . 7800 . 1449 .6730 . 1825 .53+0 .2156 .1110 .2585 .2585 .1741 .4270 -.2262 -.0728 -.0144 .36+0 .2990 -.2166

-.3157

-. 2634

.0558

.056;

.0458

. 0659 .0332 .0815 -.0547 

.1178 .1428 -.0176

.0203 -.0235

. 800 80

.0160

.0139 .0322 .023: .0356

.0:18

-.1768

-.0024 -.0177 -.0457

.0083

(XEBLE)

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PAGE 2541	-							a to per an are							71 page 44 1 12 21	<b>2 2</b> 1 1 2 2	ر 1.652					
	(168.61)	·· •••••															- 2385.4 RN/L					
	6 BOT																85. a					•
•	EFT MIN																* 595.26					
PRESSURE DATA + DAIVB ( AMES 11-073-1 )	APES 11-073(0A148) -140A/B/C/R CRB LEFT WING BOT			.9720		2277		2350					2129				o		.9720	4750	<b>-</b>	3881
B ( AMES	-140A/B/		BLE CP	.8870	0680		1498		1674					1598		.0368	.59706	LE CP	.8870	. 1380	7450.	
A + 0A14	(0A14B)		DEPENDENT VARIABLE CP	. 7800			1190		. 1877			1966			0730			T VARLAB	. 7800	. 1573	.0634	
SURE DAT	5 11-073	4.25.4	DEPENDE	.6730	0234	0880		÷.1385		0976		1547	•		0539	.0690	8.299 MACH	DEPENDENT VARLABLE CP	.6730	.1553	.0850	
	AME			.5340	· .0182	0758		1140		1043		1712		1594	0813				5340	.2500 .1601	1060.	85~0.
TABULATED		BETA ( 4)	SURF	.4278	8100.				1176		-· 1146	1589.		1532	080.7	.0495	BETA (5)	SURF	0.230	7160. 7891.	60/1.	
		4.044 B	DILEFT WING BOT	.3640			0834			0986	801	3			1427			11NG BOT	3640	3633	<u> </u>	
8 76			DIEFT	. 2990							1.1186		1141	j. 1392		- Jour	- 4.047	DILEFT WING BOT	.2990	. 6000	1290	
QATE 10 FEB 76		ALPHA (3)	SECTION (	27/BH	X/CN 04.05	# 0 0 0 0 0 0 0 0 0 0 0 0	550 550 550 550	207. 257.	5. 5. 5. 5.	 5. 66. 6	9. 6. 6. 8. 5. 6.		<u> </u>	606. 806.	9.69.69.69.69 8.69.69.69.69		ALPHA ( 3)	SECTION (	2Y/84	2000 2000 2000		690.

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	(XER. 6)	0306																							
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-	AMES 11-07310A148) -140A/B/C/R ORB LEFT MING BOT	64, 868 •																							
PRESSURE DATA - CAIVB ( AMES 11-073-1 )	C/R ORB			0278.	- 975G		1382		1361	. 1 303			0630		. 1361			1720					8494		
8 CAMES	-140A/B/	. 59720	BLE CP	.8870	. 5456 7456	3281			. 1638			. 1030		.0435		0742		•	1066				ľ	1762	!
A - 0A14	(0A14B)	MACH	DEPENDENT VARIABLE CP	.7800	.5695	.3137			.1980			.1276				•	0563		1353 -			1678		·	
SURE DAT	S 11-073	-7.897 H	DEPĘNOE	.6730	.5511	.2848			.:85t			. 1281		. Q812	0036		•	0843	•	1.0451		- 1221 -			
	APT	11 = -7		.5340	.3557	24 IS	. 1925		. 1558			. 1265		.0735	. 0016			905		.0543		.1294		. 1308	
TABULATED		BETA ( 1	SURF	075م.	. 4353 4353	. 5197	.2093			3441.		-1162		.0941	2930			•	0781	•	0753	. 8811		,	
		8.028 E	WING BOT	.3540	.0785	+ 261 •		. 2603		. 2358	.1312		. 1991		·	0262			•	0490	. u	<b>1</b>		- 1 300 - 1 300	- 1111
FEB 7 <b>6</b>		Ħ	TILEFT	.2990	0255 . 0000	.0983		.1130		i i	C+6.1.									•	0847		.0828	-1012	•
DATE 10 FE	•	ALPHA ( t)	SECTION	SY (BM	X/CE 010. 020.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	080. 081.	25. 25. 25. 25.	157		֓֝֝ ֓֞֝֞֝֞֝֞֝֞֞֞֞֝֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֓֡	5.55 4.75 4.75	300	00 to 10 to	. 550 565 565 565	.637	6/0	85°.		277. 897.	808. 988. 688.	. 658. 758.		•	616

(XEBLS)						- 2385.3 RWL		
						۵.		
AYES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT						s 595.49		
C/R ORB			.9720	•	e, mei P	<b>o</b>		.9720
-140A/B/		RE CP	.8870		0564	.59720	LE CP	.8870
(0A14B) -		DEPENDENT VARIABLE CP	.7800	0750		•	DEPENDENT VARIABLE CP	.7800 .8870
5 11-673	897	DEPENDE	.6730	05620418	577.0.	-3.847 MACH	DEPENDEN	.42-0 ,5340 ,6730
A			.5340	0562				5340
	BET7. ( 1) =	SURF	.4E70	0442	.0693	6cTA ( 2) .	SURF	0 P.P.
	8.038	WING BOT	. 3548	:	0547	8.037 E	WING BOT	3640
		DLEFT	.2997		0166		: ). EFT	2993
	ALPHA ( 4) =	SECTION ( 1)LEFT WING BOT	2Y/8W	X/CW .950 869.	000. 1.000 1.000	ALPHA ( 4) =	SECTION : 17.EFT WING BOT	2Y/8W

-.4735 -.2954 .4738 .3077 .3034 . 1933 .4739 .2842 . 1863 8624° .2587 . 1937 . 1592 .2783 .3763 .3183 .2236 .1469 -.2552 -.0342 -.0550. .2140 .2564 -.1812 .0692 1753.

.1159 -.0646 .1189 .0726 -.0048 -.0111 .1214 707Q. -.2823 .1156 .0882 .1302 .1666 -. 0203 .1170

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AMES 11-073(04148) -1404/B/C/R ORB LEFT WING BOT

.9720 DEPENDENT VARIABLE CP .7800 .6730 -3.847 5340 BETA ( 2) = .4270 SECTION ( 1) LEFT WING BOT SURF . 354C ALPHA ( 4) = 8.037 06<u>5</u>2. 2Y/BM

-.1414 -.1339 -.1793 -.0526 -.0634 -.0730 -. 0552 -. 1229 -. 0854

-. 1272 -.0807

-.2667 -.1786 -.0655 -.0543 -.0889 -.1376 -.1331 -.0581 -.0634 -.1140 -.1318 7.0265· -. 1046

-.0505 .196 MACH = .59720 . 0693 BETA ( 3) = . 0695

DEPENDENT VARIABLE CP SECTION ( :) LEFT WING BOT SURF ALPHA ( 4) = 8.042

.8870 .3768 .3654 .7800 .4319 .3980 .6730 .3865 .5340 3590 .4270 .3640 2990 -.3807 2Y/BH

. 2824 .2673 .1172 .2811 .3022 -.5447 -.2082 -.1063 -.0573

.1776 1561 . 1481 - GC#4 

.1165 . 1 141 . 1300 286.9

(XEBLE)

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DATE 10 F	FEB 76		TABULA	TED PRES	SURE DAT	A - 0A14	B ( AMES	TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	•			•
				AME	5 11-073	(0A14B)	-140A/B/	C/R ORB L	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT		(XEBL61)	
ALPHA ( 4)	#	8.042 B	BETA (3)		.196			,				
SECTION	( I)LEFT	SECTION ( 1) LEFT WING BOT	r surf		DEPENDE	DEPENDENT VARIABLE CP	BLE CP	٠				
2Y/BW	.2990	3640	.4270	.5340	.6730	.7800	.8878	.9720				
×/Cu 204.			. 0828	.0671	.0648		0013					
. 558 508 508 508 508			2698	0072	0224			2528				
.637		0273					1148					
.650 676						0750						
.703				G752	0966			6533				
827. 827.			0813	}		1500	1415					
27. 28.7.		-, A572		0657	0600							
803	0000		0768									
639		1241		į	į							
738.			1327	- 1404 - 1404	1311	1831						
1889 1889	0820	1 270						2793				
9.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1135		1365	1480			1770					
916. 950. 953.		. 1508	0621	÷.0719	0562	0918						
	- משבה	0728										
1.000			. 0608		.0618		0313					
ALPHA ( 4)	7 = 7	7.960 BE	BETA ( 4)		4.251 MA	MACH	.59720	o	₹ 595.49	۵	2385.3	RN/L
SECTION	Laatet )	TITEET MING BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	LE CP					
27/BH	.₹990	36+0	.4270	.5340	.6730	. 7890	.8870	.9720				
X/CM .010.	5646 3463 3463	6815 3465	. 1589	3370	3718	3283	.3019	9453				
9.00	1569		הלינה	7185.	.2722	9192	.2347					
690.				<u>.</u>			•	6267				

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(XEBLB1)

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AMES 11-073.04148) -1404/B/C/R ORB LEFT WING BOT
TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )
                                                                                                 -.3212
                                                       .9720
                                                                                                                                                  -. 2955
                                                                                                                                                                            -.3331
                                                                                             . 0864
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                                        DEPENDENT VARIABLE CP
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                                      SECTION ( 1) LEFT WING BOT SURF
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	(XE8L61)	2385.3																						
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	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	595.49																						
<u>-</u>	LEFT	n																						
11-073-	C/R ORB	o		.9720	-1.1885		BUDE		3885			3628		3806		;	3314					- , 2926		
8 CAMES	-140A/B/	.59720	BLE CP	.8870	.245. .2166	. 1851			. 0552 —		. 0025		0516		1473			1721					1884	
4 - 0A14	(0A14B)	MACH =	DEPENDENT VARIABLE CP	.7800	.2005	. 2294			. 1429		.0733					0952		1763			2050			
SURE DAT	S 11-073	8.305 M	DEPENDE	.6730	.2829	.2505		!	. 1477		. 0937		.0377	0360			1128		0898		1648			
TABULATED PRESSURE DATA - OAIW8 ( AMES 11-073-1 )	AME_			.5340	.2854 5785.	.2339	. 1847		962		<b>+160</b> .		. 0452	0252			1001		0851		1543		1550	
TABULA	<b></b>	BETA (5)	SURF	.4270	2713 .0032	1001	.1745			. 1337	.0985		.0587	7:5:	;			-, 3873		-· 0858	1372		•	- 1365
		7.955 B	HING BOT	.3640	6365 4273	) -		0036	. 1692	1260		.0818			6620	3500			0719	1193		į	1 504	100
<b>8</b> 76		n	1)LEFT	.2990	7423	2630		1443		. 0007										0970		0847	1169	
DATE 10 FEB		ALPHA ( 4)	SECTION (	2Y/8W	ж. 010. 020.	000	080. 185-	19 4 5 19 5 19 6 19 6 19 6 19 6 19 6 19 6 19 6 19 6	163	71. 625.	ີ ເກີຍ ເກີຍ ເກືອ	19 COM .	ក្នុស ភូវិ ភូវិ		. 600 678	. 655	20.0. 207.	750	m m (c)		.650 .657	9. 9. 9.	n tyc.	

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(XEBLE) - 2386.0 AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT 13. tags .9720 .8870 .59660 .8870 -.0147 DEPENDENT VARIABLE CP DEPENDENT VAPIABLE CP . 7800 .7800 1711.- 0170.--7.853 MACH .6730 .0375 8.305 5340 -.0801 BETA ( 1) \* BETA (5) .3640 .4270 -.0799 .0426 SECTION ( 1) LEFT WING BOT SURF SECTION ( DILEFT WING BOT SURF -.0850 ALPHA ( 5) = 11.943 7.955 .2330 -.0627 .2990 ALPHA ( 4) = . 958 . 958 . 958 . 100 . 100 2Y/BW 2Y/BM

.287¥ .3486 .3422 .3821 .3020 3706 .2889 .2702 .3688 .1189

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. 33 33 37 . 2539 25.55 .2334 . 195 .1979

.0013 .1742 .0690 5171. .0769 -.2978 . 1865 .2078 .0503

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Z 2386.0 59. F .9720 -.2987 .3076 .8870 -. 1893 .59660 DEPENDENT VARIABLE CP. DEPENDENT VARIABLE CP. -3.827 MACH . 0+9+. .7800 .5772 .5087 7800 -.1057 -.1538 -.0590 -.0403 -.0591 .6730 .6730 -.0090 .0572 .4718 .5005 BETA ( 1) = -7.853 5340 .5340 -.0094 .5024 .5167 . 3663 -.1137 4397 ALPHA ( 5) = 11.962 BETA ( 2) \* -.1022 .3640 .4270 -.0887 -.0394 .0670 -.0798 .2370 .3993 .4270 -.0290 SECTION ( 1) LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF -.0432 .3640 -.0850 -. 0083 -.8808 -.3458 -.1974 -.0810 -.0956 ALPHA ( 5) = 11.943 . 0025 .2990 . 2990 7.0330 -.0588 -.5470 .0000 -. 042g -. 0562 PE/YS

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	(XEB. 61)																2000		٠	•	
	<b>-</b>																۵	•			
	AMES 11-07310A148) -140A/B/C/R OF# LEFT WING BOT																13.				
173-1 )	FB LEF			50	·	ģ.		<u>o</u>					<b></b>								
0-11 SI	3/C/R 0			1.9720		5++2·-		2319					3261				ø		.9720	-1.2539	7957
18 C AM	-1404/		BLE CP	.0870	.0843		0564		0967					2070		1304	. 59660	<u>6</u> Ч	.8870		.3563
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )	S(0A14B)		DEPENDENT VARIABLE CP	.7800				0163	1162			1708			- 1188	·	•	DEPENDENT VARIABLE CP	.7800	. 2234 . 4189	. 4066
SSURE DA	LS 11-07;	-3.827	DEPENDE	.6730	. 1602	.0530		96+0∵		0335		1271			0585	.0534	.197 MACH	DEPENDEN	.6730	.3821	# ··
TEO PRE	A			.5340	.1616	.0622		0303		0258		1138		1279	0653				.5340	.3815	.3+03
TABULA		BETA ( 2)	IT SURF	.4270	.1743	2960			0431		0374	0995		1150	0504	1290.	BETA (3)	SURF	.4270	3378 .0637 .3229	
		11.962	HING BO	.3640			6440			0225	- DB76		105g	6860	0556			NG BOT	.35+0	5273 5273 3711	
97 8:		n	ITEET HING BOT	.2390							045P		0343	.0751	. 0187	• • •	11.967	DEFT WING BOT	. 2931	. 0200	
DATE 10 FEB		4.PHz 7 53	SECTION (	2Y/8K	X/CE 204.	ກຸກ. ເຄີຍ ເຄີຍ ເຄີຍ ເຄືອນ เຄືอน เกิด เกิด เกิด เกิด เกิด เกิด เกิด เกิด	. t.s.a.	55. 55. 57.	750	27 28	638 938 638 638		. 965 		မှ ရှဲ့ရှဲ့ မေးရှိနှင့် မေးရှိနှင့်	1.059	ALPHA ( 51 .	2	2Y/84	30/x 20/0 - 20/0	

AMES 11-073(0A148) -148A/B/C/R ORB LEFT WING BOT

		.9720		+ . W+ [+		2690	3087		6	ceu.				. 3377		
	BLE CP	.8870		.2015	.1281	0473	?	0799			1254			2246		1306
	DEPENDENT VARIABLE CP	.7800		. 2988	.2076				0359		1380		1907		1389	
197	DEPENDE	.6730		.2937	!&!&.	1407	.0369	•		0660		0570	1512		0787	+600.
		.5340		.2666	.2187	10 3 3 T	.0533			040		0379	1320	1399	0786	
BETA (3)	SURF	.4270	. 3253	! !		9 9 9 9	1594	৫035			0528	1040	1055	1268	0630	.0203
11.967 B	I ILEFT WING BOT	.3640	. 0822	.2962	. 2128	.1929		.0421				0260	8865	1123	1069 0669	
=======================================	1)LEFT	.2990	0372		. 1021								0559	0466		0256
ALPHA ( 5)	SECTION (	27/BW	X/CH . 081 . 086			14. W. C.	9 9 8 8 8 8 8	. 600 1600 780.	.650	857.	5. 5. J	τ. 898.	88. 88. 88. 88. 88. 88. 88. 88.	9.99.99.99.99.99.99.99.99.99.99.99.99.9	ល់ ស្តីស្តីស្តី ស្តីស្តីស្តី	t: 400 1: 000

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UME DATA - OA148 ( AMES 11-073-1 )  11-07310A148) -140A/B/C/R ORB LEFT WII  259 MACH • .59660 0 • 5 5 6 6 0  .6730 .7800 .8870 .9720  .2483 .03420392  .3568 .3176 .2090 -1.4554  .3760 .3473 .28189375  .1803 .08213971  .1830 .0821 1613 16141443 15981985 3240	PRESSURE DATA - 04148 ( AMES 11-073-1 )  AMES 11-073(0A148) -140A/B/C/R ORB LEFT  4,259 MACH	80C. 41 " 47 " 4270 .53 .24 .33 .25 .33 .25 .33 .25 .33 .34 .33 .34 .35 .35 .35 .35 .35 .35 .35 .35 .35 .35	17A ( 4) " SURF .4270 .515453 .222286 .35 .37 .2329 .1430 .11 .14300297900613005461	NG BOT (XERLB1)	594,44 P - 2386.0 RN/L - 4.8439																		
11-07310A148) -140A/B/C/R 259 MACH • 59660  0EPENDENT VARIABLE CP .6730 .7800 .8870 .9 .2483 .0342 .0392 .3568 .3176 .2090 -1.4; .3760 .3473 .28189 .1840 .1803 .09711830 .022108150815070215981985		23.29 23.20 23.20	11A ( 4) * 5087 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	DRB LEFT WING	. 594.		021	<del>1</del> 95	175 175	12			76+		282		C					240	
UNE DATA - 0A148 0 11-07310A148) -14 259 MACH • .5 DEPENDENT VARIABLE .6730 .7800 . 3568 .3176 . 3568 .31765940 .1803 .1230 .1230 .0212081515981985		80. 4. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	TABULATED F  SURF  . 4-270  . 5-453  . 2-286  . 3:  . 2-286  . 3:  . 14-30  . 14-30  2-279  06-13  05-46  11-67	AMES 11-0	) 09960	8		.0392 .2090 -1.45	•	 	}	1,0971		.0231	ж. •	.1013			. 1443			,	
UNE DATA  11-07310  259 MAC  2483  2568  3760  1230  1230 0815		80. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	TABULATED F  SURF  - 5453 - 2753 - 2725 - 36 - 37 - 37 - 37 - 1105 - 37 - 37 - 37 - 37 - 37 - 37 - 37 - 37	- 0A148 ( PI- (8)140	u: .	F VARIABLE										1		•			9	7001.	
		80. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	17A ( 4) " SURF .4270 .515453 .221105 .36 .37 .2329 .1430 .11 .1430 .700613 .700546 .111167 .11	URE DATA	259 MA(	DEPENDEN	.6730	.2483 .3568	.3760	.2687		0.1940		. 1230	6100			0815		0702		000	
76 11.963 8£1 11.963 8£1 2990 .3640 2990 .3640 -9979 -9467 -9979 -9467 -9857 -1331 -1331 -1699 -1699 -1699	76 11.963 86 10.000 3640 99799467 00006062 6062 6063 0331 0331 0393	0593 0593 0593		DATE 10 FEB	ALPHA ( 5)	SECTION C	2Y/BH	X/Cu .010.	0.00 0.00 0.00	 	163	<b>6</b>	in Trum	. 390 	25. 200.	ນ. ບຸນ. ກຸນຕູ	. 53. 1.0.0.	679. 201.	. 55 E	2.00	808. 188. 188.	13.00 12.00 12.00 13.00 10.00	4

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BETA (4) =

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ALPHA ( 5) =

				+ P = 2385.0 RN/L = 4.6439		,														
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	. 9720			ø		.9720	-1.5728		-1.0862		999	966		3912		6 1 1				
ar cp	.8870	,	1356	. 59660	LE CA	.8870	2292 .0751 -1	. 2026	7		. 1212	•	.0578	•	0055		1156	•		
DETENDENT VARIABLE CP	. 7800	1513		MACH	DEPENDENT VARIABLE CR	.7800	1677	0775.			.2310		.1567		·		·	0638		
DE: ENDE	.6730	0735	.0212	8.316 M	DEPENDEN	.6730	.2493	.3097			.2346		.1758		.1078	.0157		•	0848	
	.5340	++60				.5340	. 2547	8062.	.2622		-2109		.1734		0711.	.0316			. 0360	
SURF	.4270	0777	.0331	9ETA (5)	SURF	.4270	7323	5 10 17	מטנים			.2107	į	.1783	. 1306	\$080			•	
THEFT WING BOT SURF	. <del>7</del> 540	6777		.951 98	WING BOT SURF	.36+0	7293			0923		. 1799	6241.		n 1	·	. 6225	!		
	. 2990		0431	11.9	DILEFT W	. 2990	-1.2266	6424		2327			- : : : : : : : : : : : : : : : : : : :							
SECTION (	2Y/BM	4, Ck . 950 . 953 . 953	000 T	ALPHA ( 5)	SECTION (	2Y/84	010.	, en en	ກີຄວ. ເຄຍວ.	.090 •000	1. 150 1. 150 1. 150	.153	1 9 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6	កុំសុំ ភូមិ ភូមិ	104. 104.	ស់សំឡ សង់សំ	.670 .637	.650 .670	95. 3.4.	Ç

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DATE 10 FEB 76
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TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )

AMES 11-873(04148) -1404/8/C/R ORB LEFT MING BOT

8.316 BETA ( 5) = ALPHA ( 5) # 11.951

DEPENDENT VARIABLE CP .6730 .5340 .4270 SECTION ( 1) LEFT WING BOT SURF .3640 .2990

.8870 .7800 -.0697 -.0472 -.0501 -.0423

-.2230 -. 195.7 -.1046 -.0885 -.1530 ÷.1369 -.1581 -.1585 -.1110 -.0806 -. 1262 -.0826 -.1195 -. 1085 -.0870 -.0855 1,0440 -.0652 -.0451 

-.3072

-.1109

-.0015

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				¥.	ES 11-07	3(0414B)	-140A/B/	C/R 0RP L	AMES 11-073(0A148) -140A/B/C/R ORP LEFT WING BOT	<b>108</b>		:XEBL62;	-	DS AUG 75	
	Æ	REFERENCE DATA	DATA									PARAMETRIC	C DATA		
SPEF # 28 1925 # 9 SCALE # 9	2690.0000 474.8000 935.0580 9350.0300	00 SO.FT.	XMRP YMRP ZMRP	= 1076 = 375	1076.6800 IN. .0000 IN. 375.0000 IN.	000 000 000 000 000 000 000 000 000 00				584	RUDDER - BOFLAP - R-ELVN -	5.000 16.300 -4.000	SPCBRK - L-ELVN -	55.000 1.4000 1.400	
ALPHA ( 1)	<b>3</b>	-4.059	BETA	- *=	-3.849	MACH	1.3925	ø	• 599.99	8	0.	90°244	S. G.	U.	ر 19
SECTION (	1)LEFT	E I NG	BOT SURF		DEPEND	DEPENDENT VARIABLE CP	BLE CP								
2Y / BM	. 2990	3640	0754. 0	.5340	.6730	.7800	.8870	.9720							
	.0000	-,2484	- 1358 2500 - 4154	4159	3618 4010	2237	1944 4051	-, 4593							
•	1607			4488	4299	4470	4380								
	1 1	1267	1930					. tg46							
	•			4052	. 3932	3963	4008	i							
	-,1095	0383	5771					÷ 3095							
8.45. 855. 475.		1168	. 1627	2202	3652	3603	3710								
نام الرام الرام		25.43						4223							
007.		•	1526	1769	3152		3326								
200 m 200 m 200 m		Ş	2828	- 15	1631		3217	3431							
. 650 678		n no:1				3229		i							
2007. 1007.				1747	2067	ļ		5135							
. 750 . 775 		1458	1734	3163	3079	B1/9:+	\$000 \$1000 \$								
	1838	3328	3278												
. 850		1		3817	2868	406G									

PAGE PAST														7 • 2.9210														
	(XER.62)													**************************************									· 100 · 100 · 100		<b>V. V. V. V. V. V. V. V.</b>	7 20 20 7 20 7		
													1	<b>a</b>														
•	AMES 11-07310A148) -140A/8/C/R ORB LEFT WING BOT													55.560														
11-073-1	C/R 0RB L			.972C			1.5313	o Press					c	3	į	. 3/20	. 4985		5129			3234			4592		- 359	
PRESSURE DATA - DAIMB ( AMES 11-073-1 )	-140A/B/		ABLE CP	8870					5043			- 1505	7925		200	.00/0	2366	4587			4210	•		3926	i	3445	·	3272
TA - 041	3 ( OA 1 4 B )		DEPENDENT VARIABLE CP	. 7800 .						4415			MACH	T VARIAG	0087	3	2557	4651			4087			3663 -		•		•
SSURE DAT	.S 11-07	-3.849	<b>BEPENDE</b>	.6730						9444	_	2157	.195 MA	7	.6730		4090	4350			- 3936 -		•	3519 -		1524	1348	
DL.	_			.5340					#514."	3068					.5340		2706	4249	3878		3007 -			- 191		1373 -	.1034	
IABULATED		<b>-</b>	SURF	.4270		3585	_		4348	0.00		1391	BETA ( 2)	SURF	.4270		0531 1184 1685		1691		•	100	i i	.1255		- 1099	3010	
	950°4-	7	WING BOT SURF	.3640				340E	7307	}	J.2312			ING BOT	.3640	-	1058 1141 1086		·	0509		.0180	. 0769	•	: 656p :	•	•	
?	<b>.</b>		וורביו	.2390			3323	7636			200		-3.922	DUEFT WING BOT	.2990		.0000	1013		0930			1690		•			
	ALPHA ( 1)	•	201.5%	24/B#	x/Cu B57	. 852	885	6/a.	. 935 919	569. 269.	ວ. ຄ.ຍ.	1.000	ALPHA ( 1)	SECTION (	2Y/6W	X/CH	ក្តីក្តុ		080 1080		. 157	.163		gi Len Len	. 330 104	1000 1000 1000	000 1000 1000 1000 1000 1000 1000 1000	2

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT

.195

BETA (2) =

-3.922

ALPHA ( 1) =

DATE 10 FEB 76

TABULATED PRESSURE DATA - DAINS ( AMES 11-073-1 )

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			•										* 599.99							
		.9720	5000				į	5493					ø		.9720	51 <u>95</u>	5183			
9	<b>3</b>	.8870		4113					4272			2582	1.3925	RE CP	.8870	2726 4566	4821		4334	
T VADIAG		.7800	1765	33+0			3843			4058				DEPENDENT VARIABLE CP	.7800	2915 4522	4756		41414334	
DEDEKNOENT VADIABLE FOR		.6730		10/a	2737		2751			-,4420		2315	4.280 MACH	DEPENDE	.6730	3817	4424		3795	
		.53+0		1567	3054		3691		E+0+	4053			,		.5340	3875	3479	3335	.1806	
Ç	E 3	.4270			1648	3121	3476		0	980+·-	2984	1548	BETA (3)	SURF	.4270	.0179 .0179	0/35	0941		
	2	.36+0	- 0750		!	1437	3152	7317	•	3213	74.21			AING BOT	.3640	0321	USB#		00 <del>.</del> -	.0492
	11111	0562.					8/61	2590	2348			3705	-3.930	1)LEFT 1	.2990	0767 . 0000	0772		0863	
	SECTION CITEFI MING BUT SOME	2Y/84	X/CH .637 028. 078.	257. 257.		. 198 808 . 608	. 639 959 959	. 88. 88. 88. 88. 88.	7000 0000	200. 200. 200. 200.	M M	1.000	ALPHA ( 1)	SECTION ( 1)LEFT MING BOT SURF	2Y/BM	MO.X 010.		. 080 . 080 . 081	980. 460.	.157

PAGE 2659

(XEBLB2)

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AMES 11-073(0A148) -140A/B/C/R ORS LEFT WING BOT
 TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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                                            DEPENDENT VARIABLE CP
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                                                           .7800
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                             BETA (3)
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                                                                                                                                                                                                                                                                                                  -.3937
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                                                                                                                                                                                                                                      -.3126
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                                         SECTION ( 1) LEFT HING BOT SURF
                                                         . 364G
                                                                                           -.0430
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                                                                                                                                                                       -.0602
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                                                                                                                                                                                                                                                                                     -.3141
                                                                                                                                                                                                                                                                                                          -. 3211
                             -3.930
                                                        .2990
                                                                                    -.0518
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                                                                                                                                                                                                                                            -. 1549
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DATE 10 FEB 76
                            ALPHA ( !) =
                                                       2Y/BW
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- 2.9172

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	(XEBLB2)	P ++2.05		,	r. makasir	to the distribution of the															
	AMES 11-073(04148) -1404/B/C/R ORB LEFT WING BOT	s 599.78			•																
11-073-	/R ORB	ø		.9720	2152	2437		-, 1882			1650		1677		73057				3361		
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1	140A/B/C.	1.3922	LE CP	.8870	0177	2705		2195		196 <b>8</b>		1463		1103		- 2636				3877	
4 - 0A148	(84140)	MACH	DEPENDENT VARIABLE CP	.7800	1044	2677		1980		1549					087&	- P724			3459		
SURE DATA	5 11-073	-3.867 M	DEPENDE	.6730	1805	2331		1792		1318		0453	0482			1131	2838		2254		
TEO PRES	AME			.5340	0852	2199	1756	1246		0578		0569	0368			÷.0389	2721		3332	3820	
TABULA		BETA ( 1)	SURF	.4270	.2123 .1525	5500.	0365		0396	į	046/		1, 54/1 28/20				1136	2661	3111		3910
		.024 BE	WING BOT SURF	.3640	.0161 01-	n/10	7720.		. 09 <del>9</del> 7	0113		0333			0203		•	+. 101 <i>+</i>	- 29 <sup>4</sup> 9	312 <sup>4</sup>	2970
B 76		•	DILEFT I	. 2930	.0000 .0000	~. 0299		0470	ć	,								2000	•	2841	
DATE 10 FEB		ALPHA ( 2)	SECTION (	2Y/BW	207x 010.	ສຸຊຸດ ສຸດ ຄຸດ ຄຸດ ຄຸດ ຄຸດ ຄຸດ ຄຸດ ຄຸດ ຄຸດ ຄຸດ ຄ	20. 180. 1880.	460 100 100 100 100 100 100 100 100 100 1	163	3.4.2. 3.4.2.	4/5. etc.	. 340 604.	រ ក ខា ខ្លួក ខេ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ ខ	. 600 600 600	. 650 650	80. 84. 84.	35. 100 E	. 798 . 808	2.00 0.00 7.00 7.00 7.00 7.00 7.00 7.00		. 919 919

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TABULATED PRESSIARE DATA - OALHB ( AMES 11-073-1 )

DATE 10 FEB 76

(XEBLE2)						442.06 RN/L = 2.9172							<u> </u>							
						gioce.	t t + 240	•												
AMES 11-073(04148) -140A/BJC/R ORB LEFT WING BOT						<b>599.78</b>														
C/R ORB L			.9720			ø		.972n		1686		1840			1197	0931		-, 2828		
-1404/8/(		BLE CP	.8870	,	3704	1.3922	BLE CP	.8870	0630	2970		2156		1852	0672		0808		2631	
(0A14B)		DEPENDENT VARIABLE CP	.7800	4037		MACH #	DEPENDENT VARIABLE CP	.7800	1399	2619		1745		1147				0698	£707	
5 11-073	-3.867	DETENDE	.6730	3264	2247	.185 M	DEPENDE	.6730	1937	1883		1328		0535	0364	Š	CB30 · .		0962	
AME	p		.5340	3881				.5340	0776 1808	-1066	1009	0724		0379	03+3	. (	0166		0905	
	BETA (1)	SURF	.4270	1442:-	11117	BETA ( 2)	SURF	.4270	.2205	1000	<b>2600</b> .		0152	-,0167		0259	3657			1063
	. 024 BE	WING BOT	.3640	2887	•	.029 BK	DILEFT WING BOT	.3640	0005	4	.0447		.1168	.0113	0094			0053		
	9.	DUEFT H	.2990	# <b>20</b>	. 635.		DILEFT 1	.2990	0167	0266		0401	e C							
	ALPHA ( 2)	SECTION (	2Y/64	×/CH . 950 . 953	1.000	ALPHA ( 2)	SECTION (	24/8W	X/CW .010.	50.00	280 280 180 180	<u> </u>	153 171	2.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	250 2003.	95. 808.		650 7.050 6.050	55. 55. 55.	.763

DATE 10 FEB 76	ភ		TABULA	TED PRES	SURE DAT	A - 0A14	B ( AMES	TABULATED PRESSURE DATA - 0A148 ( AMES :1-073-1	_				2
			_	AME	5 11-073	(0A14B)	-140A/B/0	AMES 11-073(0A148) -140A/B/C/R ORB LEFT 1 .16	FT 1.	9		(XEBL62)	
ALPHA ( 2) .	0.	B 620.	BETA ( 2)	•	. 185								
SECTION ( 1)	LEFT W	I ) LEFT WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
2Y/8W	.2990	.3640	.4270	.53+0	.6730	.7800	.8870	.9720					
	:	0995	- 2524	2663	2731								
•	**************************************	2771	3060	3226	2163	3353		3343					
' '	.1725	3003	3790	3691			3904						
ម្នាស់ ពិធីស្វាស់ ពិធីស្វាស់		2802	3638	3931	342 <b>6</b>	3913							
i	ž.		1238		2033		3258						
ALPHA ( 2) =	Ď.	. 025 B	BETA (3)		4.257 M	MACH	1.3922	ø		599.78	۵.	* 442.08	RN/L
SECTION ( 1)LEFT WING BOT	LEFT H	ING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
ZY/BW	.2990	.36+0	.4270	.534B	.6730	.7800	.8870	.9720					
X/CH .010.	0764	0670 0358	2679 2745.	0232 0135	1763	1578 2474	0930 2934	1946					
	0538	0<0/		0803	1648	2301	2886	000					
	3	<b>4</b> €.	0440	0609									
•	.0533			0417	0807	1285	2029	1660					-
		1.186	6500										
		.026*		0155	0381	0405	0683						
		5610.	) ;					-,0639					

- 2.9172

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AMEG 11-03	
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AMES 11-073(04148) -1404/B/C/R ORB LEFT WING BOT AMES 11-073-1 ) .9720 -.3043 -. 0952 .8870 -.0503 -.0643 DEPENDENT VARIABLE CP .7800 -.2670 -.3773 .6730 -.0106 -.0073 -. 21 ¼ -.2591 -. 3334 -.2066 4.257 .5340 -.0060 -. 0084 -.2570 -.3145 -.3987 -.3613 BETA ( 3) -.0030 .4270 -.3546 -. 3622 -.3537 -.2522 -.0979 -.2981 -. IR SECTION ( 1) LEFT WING BOT SURF .3640 .0063 -.2640 -.2711 -.2933 -. 2839 S. . 2930 -1.1801 -.2671 -.3560 DATE 10 FEB 76 ALPHA ( 2) = 2Y/BH

2.9169 £7.33 DEPENDENT VARIABLE CP -3.867 MACH BETA 1 11 . SECTION ! INLEFT HING BOT SURF 3.958 ALPHA ( 3)

.9720 .0910 .8870 .0400 .7800 . 1807 .6738 .1831 5340 2554 1791 .3993 .3752 .2104 .4270 .0115 .0328 .0501 .2990 .0523 .0493 2Y/B4

.0569 .0234 .0216

.0500

ORE LEFT WING BOT			.9720			05/7		.0348		00 <b>43</b>			on+0.						7 c05 - 1			
-140A/B/C/R ORE	<b>§</b>	<u>ا</u>	. 8870		. 0806		.0671	•	.0619	i	.0083	•	i	1913				•	'; !	3474		
		VARIABL	.7800		.0689		.0857				·	. 0253		2095			1	ce+/		i	3631	
AMES 11-073(0A14B)		DEFENDEN	.6730		. 0612		6070.		. 0783	.0818			0215	•	2275			* /0/v.			285	
AMES			.5340		. 0509		.0751		. 0685	.0715			. 0213		2374 -					3393	3736 -	
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7. 978 8	ă		.3640	.1085		.2016.	9870.	1697	3		.0617					96.7	2543		2705		6033	17.57
H (4)			. 2990	84.00	}	ć	† u o									6630	200		2366	1208		

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(XE81.62)							P42.29		
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MING BOT							599.88		
EFT									
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT			.9720				ø		9720
-140A/B/(		BLE CP	.8870			3712	1.3919	LE CP	.8870
0A14B)		T VARIA	.7800	3672			" 天	VAR1AE	.7800
5 11-0730	. 187	DEPENDENT VARIABLE CP	.6730	3718280%3672	•	1956	4.246 MACH	DEFENDENT VARIABLE CP	.5340 .5730
AMES			.53+0	3718					
	BETA ( 2) =	SURF	.4270	i	. 3400	0951	BETA ( 3) =	SURF	.4270
	3.958 8	WING BOT	.36+0		2395		3.963 BI	41NG BOT	. 36+₫
		1 PLEFT	.2930		-,2763			THEET !	.2993
	A.Pha ( 3) #	SECTION ( TILEFT WING BOT SURF	2Y / B%	W2/X 250 8-30	្ត ស្ត្រី ស្ត្រី	1.000	ALPHA ( 3) =	SECTION ( 1)LEFT WING BOT SURF	2Y/BH

2.9169

.0013 -. 0069 .0004 -.0329 -.0946 -.2979 :2413 :1232 .1130 . 1224 . 0802 .0795 . 0224 -.2329 -.2017 .2191 .1565 .1188 .1181 . 1 163 -0395 **5**111. .2335 .1023 .0993 . 1190 . 0948 -.00090 .0109 .03:3 .3373 .1599 . 1383 .0983 .0938 .0818 .2582 .2969 .2755 . 1028 ±6±.... .0985 .087. -. 4024 -. 0292 -.390( -.193b -.1470 -.0123 1941. .0819 .0865 .0816 -.1678 .0030 -.0345 -. 0541 -.0237 

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	•												Φ.	•										
	AMES 11-073(0A148) -140A/B/C/R ORB LEFT MING BOT												600.00											
3-1 )	B LEF							_					•											
11-07	C/R OR	٠		.9720				3770					ø		.9720		000	. 1533		0337			1288	
TABULATED PRESSURE DATA - OAIWB ( AMES 11-073-1 )	-140A/B/		VÈLE CP	.8870					3478			2398	1.3932	J.E. CP	.8870	.5383	. 3554			.2906		o co		
TA - 0A1	3(0A14B)		DEPENDENT VARTABLE CP	.7800			2886			3580			MACH	DEPENDENT VARIABLE CP	.7800	.5139	.3145			. 2837		57.47		
SSURE DA	CS 11-07	345.4	DEPEND	.E730	2062		2493			2619		1723	-3.866 M	DEPENDE	.6730	.4571 8804	.2765			. 2546		#G.		
ATED PRE	A	33 *		.5340	1945		2658		7.3127	3708					.5340	.5121	7875.	.2465		1981		.2037		
TABUL		BETA (	r SURF	.4270		1965	2472		3179		3070	1052	BETA ( 1)	SURF	.4270	. 4303	.3520	26.25			.1967		. 1925	
		3.953	WING BOT	3640	- 25 - 25 - 1	3002		i i		ccub	2391		7.927 BE	HING BOT	.3640	1242	1140.		. 1545	0788		.1745	22.1	<u>{</u>
FEB 75			THEFT WING	.2390		0460		2!8!	1263		2946		a 7.9	DILEFT 1	.2990	. 0000 0000	.007¥		.0807		25.80			
SATE 10 FE		ALPHA ( W)	SECTION 1	2Y/B#	X/CM .775 .798	808. 488. 688.				, C.G.	 	1.000	ALPHA ( 4)	SECTION (	2Y/84	X/CF 010. 0.0.	င့် ဝင် ဝင်ဝင်	. 080 180	980. 460.	 	77:. 655	8.00 0.00 0.00	n wie San El	) 

DATE 10 FEB 76

				AM	ES 11-073	10A1483	-140A/B/	C/R ORB	AMES 11-073:04148) -1404/8/C/R 088   FFT LINE BOT			į	PAGE COS
ALPHA ( 4)		7.927	BETA (	. 'i	330 2-					_	(XEBLES)	õ	
10110				)	7. ago			•					
*0::53e		SECTION CITLERT WING BOT SURF	OT SURF		DEPENDE	DEPENDENT VARIABLE CP	PLE CP						
2Y/BM	. 2993	3540	075+. C	. 5340	.6730	.7800	.8870	.9720					
8034 8034 8034			- 24C1.	. 1933	.2496		.2031						
			4379	. 1823	5761.			. 1937					
ပေးကို က မြောင်း		.157:					. 1225						
.670 .705				582	. 0637	. 1313		7.2129					_
0 th			9440			1630	1268						
ř.		. 0252		1805	1619								
\$ 2 € \$ ± \$ ± \$ ± \$ ± \$ ± \$ ±	.0327		1355		_								
		# TD: 1	2167	2166	2589	2369 6							
855 8	1825		<b>!</b>		s			2977					
<u>အ</u> ရ ရ (၁)	- : : : X	•	2937	2837		•	- 2956						
10.00 10.00 10.00 10.00		2433	207	3343	3219	3163							
865 865	1594	1899											
1.000			0863		2525	•	942V						
A_PHA (4)	. 7.	7.932 B	BETA ( 2)	#	.179 MACH		1.3932	. a	<b>600.00</b>	٥	200	2	
SECTION (	:)[EFT	WING BOT	SURF		DEPENDENT VARIABLE CP	T VARIABL	e G				•		
2Y/8.4	. 2590	.3640	0.4270	.5340	.6730	.7800	.8870	.9720					
ອຍ ສະ ອະຊຸດ ອະຊຸດ ອະຊຸດ	-, 1289	3369	.3583 .3583	.5253	.4722	.5317	.5293	.0275					
010. 010.	.0252			. 3202	6262	. 3323	.3586						
. 080				.2750				.0678					

(XEBL62)

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TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )	
DATE 10 FEB 76 T.	

AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT

9160. -.2399 .9720 .0548 -. 3063 . 2923 .2217 .1073 F.1708 -.1375 DEPENDENT VARIABLE CP .2823 . 24BO . 7800 .1279 .6730 . 2655 .2326 +.2120 -.2655 -. 2998 .0679 -. 1553 .2430 .1980 -.3308 .21 I% -. 1481 . 1819 -.2636 .5340 .2062 .1934 .0619 . BETA ( 2) 6+02.--.2303 -.1248 -.4664 .4270 . 2443. . 1978 .1793 . 1968 1144.-1440. SECTION ( 1) LEFT WING BOT SURF -. 1965 -.1861 .36+0 .0731 -.2033 .2363 .1769 .0352 .1639 .1634 -.1613 7.932 -.0919 . 2990 -.1657 .0339 .0568 -. 1454 .0241 ALPHA ( 4) = 2Y/BM

-.3528

-.2271

-. 1094

11-073-1
( AMES
0A148
ı
DATA
PRESSURE
TABULATED

DATE 10 FEB 76

3 BOT (XERL62)	600.00 P • 441.59 RN/L • 2.9162						_													
AMES 11-073(DA148) -140A/B/C/R ORB LEFT WING BOT	•		 02	60	ĸ	2	•	2		2		<b>.</b>	,	5				<b>2</b> 2		
/C/R Q	0		.9720	1009	ACC0			0810		.0402		.0161		2672				3503		
-140A/B	1.3932	R CP	.8870	.5077	.3700		.2910		7156		.21 <b>9</b> £	:	. <b>0986</b>		1428				3063	
(0A14B)	MACH:	DEPENDENT VARIABLE CP	.7800	.5097	. 3331		.2763	_					.1334		1676		2361			
5 11-073	4.245 A	DE PENDE	.6730	1454.	.3110		.264S		922 925 932 932		.2372	.1931		.0715	1503		2597			
AME	<i>*</i>		.5340	.4853 4204	.3204	.2616	.2068		100		1959	. 1787		.0615	1165		2108		2650	
·-	BETA ( 3	SURF	.4270	.0976 7415.	Ö	. 1990		1730		. 1844	.1749	4292			.0432	1319	1898		2683	
	7.933 BE	TILEFT WING BOT	. 3640	4297 2227	5791.			.1758	.1339	i	in.		. 1642			.0265	1508	300	705	1772
	- 7.9		.2330	.0000	0566		0158		. 0221							ć	ָרָ טְקָי	1633	0923	
	ALPHA ( 4)	SECTION (	247BW	40/X 010.		200. 000.		163	655. 654. 656.	ት የሚተ ተ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ የ	700 73 73 74		. 633 . 633 . 636	27.6 מסקי מיקי	750 757 677	80.6 80.8	8339 6729 729	600 600 600 600		<b>₫</b> .

24TE 10 FEB 75	E9 75		TABULA	2389 O37	SURE DAT	A - 0A14	TABULATED PRESSURE DATA - OATH8 ( AMES 11-073-1 )	11-073-					
				AME	5 11-073	(04148)	-140A/B/	C/R 088 1	AMES 11-07310A148) -140A/B/C/R ORB LEFT HINS BOT	<u> </u>			
ALPHA ( 4)	Đ	7.933	BETA ( 3) =		4.245					•		I XEE DE	
SECTION OF THEFT WING	C DULEFF		BOT SURF		DEPENDE	DEPENDENT VARIABLE F CP	<u>د</u> د						
2478W	.2590	3640	.4270	. 5340	.6730	. 7800	.8870	0.27.20					
X/CH . 953 . 953			ç Q	3280	28843313	3313							
250.	1564	1917											
1.038	3	_	1453		1903		3432						
ALPHA (51 =		11.912 B	BETA ( 1) =		-3.85+ MACH = 1.3916	5	1.3916	d	£00				ı
SECTION CITLEFT WING	THEFT	WING BOT	BOT SURF		DEPENDENT VARIABLE CP	T VARIAE	LE CP	,	D.BEC	1.	•	442.53	È
ey/ex	.2990	.3640	.4270	.5340	.6730	.7800	.8870	0279					
X/CH					•								
9.50 0.50 0.50	-, 1058 .0000	2803	717£.	.6798 .5731	.6595 .6034	. 7252 . 6281	. 1256 .6420	.0768					
. 055 0630	.0993		1 .	5174.	. 4898	.5189	. 5563						
. 081 180			7769	.4087				.1521					
<b>9</b> 80.	0101	. 1825	}										

-. 1683

.2300

.2389

. 1592

-.0556 -.0830

.4420

. 443B

.4157

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.3187

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51,75.

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3790

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.1476 . 1266 TABULATED PPESSURE DATA - DAING ( AMES 11-073-1 )

2.9199 PAGE 25 RE (XEBL62) · 442.53 AMES 17 - : DAIHB! - 140A/B/C/R DK! LEFT WING EDY 599.87 -.0733 .0461 . 1266 -.0418 .8870 VARIABLE CP -. P442 -.4187 1.3916 .8870 .6651 .6102 .5360 .4351 DEPENDENT VARIABLE CP .3690 .<del>8</del>00 .7800 -.2849 -.2704 -.2661 .6665 .6000 .5015 .4282 .3917 . 184 MACH ដុ 10 -.2831 .6730 .6136 .5758 .4811 .±023 .3610 -W.R. .5340 -.2174 .5340 -. 09£ . 5222 . 5468 .4575 .3428 . 3928 . 3260 BETA ( 1) . BETA ( 2) = -.1219 -.1575 .4270 -.0617 -.2213 -.2466 . 1923 .3276 .3749 .4270 . 3205 .3077 SECTION ( 1) LEFT WING BOT SURF .2914 SECTION ( 1) LEFT WING BOT SURF -. 1543 .3640 1811 -.1479 .3640 -. 1224 -.3799 -.1392 -.0772 . 1085 .2973 .2398 .2760 ALPHA ( 5) \* 11.912 ALPHA ( 5) = 11.921 .2990 .0951 -. 1164 -.0097 -.0729 .2990 -. <del>27</del>435 .0255 5770. 大二: 2Y/BM

PAGE 2673

TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 )

DATE 10 FEB 76

					•											··-		
(XEBLB2)															80.314 · #			
														•	L			
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT														3				
C/R ORB LI			.9720		. 1062		~.2076				- 2969		•	c	3	.9720	1998	0533
-140A/B/		RE CP	.8870	.3309		.1791	e e	)			2553		:	2017		.887 <b>0</b>	.5777	.5059
(84140)		DEPENDENT VARIABLE CP	.7800			.2180	9			1771		2876			r variabi	.7800	.5834 .5566	.4681
5 11-073	<u>.</u>	DEPENDEN	.6730	.3695	.3030		1941.	0931		2220		- 2706		T. COSS	Z	.6730	.5427 .5287	. 4459
AME			.5340	.3165	.2812		.1427	0583		1519	2084	2847		#		.5340	. 5296 . 4962	. 3628
	BETA ( 2)	SURF	.4270	2062	4574		,	.1308	0603	1369		- 5022	2240	TA (3)	<b>!</b> #.	.4270	0028 .1712	0/83.
		WING BOT	.36+0			.2606		101		0870	1383	1340	1399	BETA	ING BOT	. 3640	4410	
	= 11.921	DLEFT	.2990						. 1042		1039		0743	916.11 =	1)LEFT WING BOT	. 2990	3536	0455
	ALPHA ( 5)	SECTION ( 1) LEFT WING BOT SURF	2Y/BH	X/CH - 400 - 400	. 552. 552. 563.	.650 .650	079. 700. 257. 027.	760 277.	808 48.8	.850 .850 .657	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	. 919. 919. 959.		6		27/8W	x/Cu .010.	

(XEBL62)

•	-140A/B/C/R ORB LEFT WING BOT																							
TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1	C/R ORB LI			.9720		0808			.0824		. 0655			) 10 10 10 10 10 10 10 10 10 10 10 10 10					3166					
B ( AMES	-140A/B/		BLE CP	.8870		.4837		.3561		.3144		. 1700			089B						2569			4483
TA - 0A14			DEPENDENT VARIABLE CP	.7800		.4143		.3806			:	•	.20 <del>9</del> t		1160			1685				2915		
SSURE DAT	AMES 11-073(0A148)	4.258	DEPENDE	.6730		3775		.3+31		.3557	.2917			.1473		1020		1815.				2816		1880
ATED PRES	AME	3) • (2		.5340		3178		.3024		.3067	.2744			1363		0366		1405			2075	2730		
TABUL		BETA (	r SURF	.4270	¥8.	!	. 2531	.280¥		.2766						n	0610		- 1198		2046		1921	2795
		11.919	1) LEFT WING BOT SURF	.3640	.0277	.2347	.1973	1	.2439			2529				Š	C950 ·	0860		1354	!	1293	1522	
35 E				.2930	31 0		.0730										Š	0060		1 088	0+65			3011.
DATE 10 FEB		ALPHA ( 5)	SECTION (	2Y/BW	X/CH .081 .086	150 151 163	. 1 / / 1 . 229 246	<b>055.</b> ₹75.	365.	000 1. 1.	. 000. 200. 200.	.600	.650	. 700 257.	02F.	 E. 5	808	978. 978.	7.58. 7.59.	. 979	906. 908.	918. 918.	2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1.000

4> 4)

PAGE 2675	T (XEBL62)	P = 443.71 RN/L = 2.9243																	·				
	T WING BO	= 599.83																					
PRESSURE DATA - DAI48 ( AMES 11-073-, )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	ø		.9720	0207	i	. 1331		2007			.2369		.2120			1.1544				2328		٠
8 ( AMES	-140A/B/C	= 1.3897	BLE CP	.8870	.7959	.7122			.5834		5		.4620		. 2862	i		0027			•	2008	
A - 0AI4	(0A14B)		DEPENDENT VARIABLE CP	. 7800	.8039 .7708	.6824			.6120		469g					.3163		0331		1088		·	
SURE DAT	5 11-073	-3.830 MACH	DEPENDE	.6730	.7776	.6498			.5591		5200		.5176	.4218			.2435		0 <del>4</del> 12	1709			
_	AME			.5340	. 7652 . 7026	.6120	.5485		.4965		4626		.4597	7604.			.2367		- 1600	- 1689		1623	
TABULATED	•	BETA ( 1)	SURF	.4270	. 2890 . 4515	1010	i i	1080		.4337		.4352	.4221	7874	•			.2137	*1 10.	•	09₹2		2001
		15.912 8	THEFT WING BOT	.3640	3204 0464	. 0255		. 2289		· 4430	.3584		<del>र</del> ी <del>।</del>		.3781	٠			.2113	0500		1011	1369
B 76				.2990	2075 .0000	. 1222		.1738		į	. 6643									. 1975	0527	0257	•
DATE 10 FEB		ALPHA ( 6)	SECTION (	2Y/BW	x/CH .010	950	286. 286.		150 151	163	25. 25. 25.	75. 246.	.390 .400 .402	. 553 . 550 . 565	.637	.650 .670	. 705 257.	85. 887.	. 798 . 808	989 989 989 989			816

DATE 10 FEB 76

PAGE 2676	(XEBL62)						P = 443.71 RN/L = 2.9243														
	ANES '1-073(CA149) -140A/B/C/R ORB LEFT WING BOT						= 599.83									·					
11-073-	1/R 0RB			.9720			o		.9720	1498	0200			. 0491		. 1787	.1635		15:00		
( AMES	1404/8/(			.8870		5200	1.3897	רב כם	.8870	.6795 .6948	.6605		.5433		4884.	47.74		Š		i c	ucce
- 0A148	- (64140		T VARIAB	.7800	2313		ıŧ	VARIAB	.7800	.7041	.6342		.5826		.5390				.3004	į	C8+0
TABULATED PRESSURE DATA - OAIW8 ( AMES 11-073-1 )	1-0730	930	DEPENDENT VARIABLE CP	.6730	- ,2264	3591	. 184 MACH	DEPENDENT VARIABLE CP	.6730	.6923 .6794	.6180		.5369		m rot.	600 t		9014		3.53.6	
ED PRESSI	ANES	-3.830	_	.5340	2440		#		.5340	.6597 .6371	.5703	.5161	£074.		5944.	1		- t07.		\$.25.	
TABULATI		BETA ( 1)	SURF	.4270	2013	2629	BETA ( 2)	SURF	.4270	. 2985 979	/ 05	.3916		.3999	60		.4086	8764			3, 3,
			ING BOT	3640	1200			WING BOT	.3540	1.3950 1.1514	5:E3:-		9881.	HATE.	3239	.3864			.3890		
92		• 15.912	W TREFT W	.2990		C513	= 15.924	DLEFT W	. 2990	3030	.0467		. 1087		. 1760						
37 8 H 01 3 70		ALPHA ( E)	SECTION   11 EFT WING BOT	2Y/Bk	X/CX .959 .953	365. 1.033	ALPHA ( 6)	SECT10# 0	2Y./BM	#D/X 010:	កក) † ម៉ា () ()	ຄົວ: ຊີດີ: ຊີດ:	ង ÷ ១ ១១ ១១ • ១១			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			က်ကို သို့မှာတိုင် သို့မှာတိုင်		

DATE IC FEB 76

TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )

AMES 11-073:04148) -140A/B/C/R ORB LEFT WING BOT

BETA ( 2) 15.924 A.PHA : 61 =

DEPENDENT VARIABLE CP SECTION / INCEPT WING BOT SURF

.9720 .6870 .7800 .6730 53,0 .4270 353+0 0652 34/142

-.0469 .0338 .0075 .2065

-.1127 -.1777 -.0939

-. 2059 -.2501 -.2379 -.2421 -.1630 -.1558 -.0763 -.0901 -.0833 .0052 -.0457

-.2613

-.5431 -.3192 -.3501 -.1083 -.0613

0 = 1.3897 DEPENDENT VARIABLE CP 4.288 MACH BETA ( 3 SECTION ( 1) LEFT WING BOT SURF ALPHA ( 6) = 15.916

Ž

= 443.71

599.83

.8870 .5551 .6050 .7800 .5545 .6186 .4270 .3640 . 2990

.5790 .5595 .5059 .5318 -.0821 .1407 .3180 -.4732 -.2454 -.1748 .0000 -.0266

.5021 **.**4690 .4317 .3196 .0527 .2950 .0534 

.5148 , <del>1</del>599 .4083 .3847 .2680

PASE 2677

(XEBL.62)

-. 1688

.6730 .5340

.9720

-.2457

-.0581

.5974

-.0879

5145

.5461

3.5:

.3407

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-140A/B/C/R
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-073(0A14B)
-073(0A14B)
-073(0A14B)

_		. 9720			* O			ו מאמר	3						!	2715						
	BLE CP	.8870	,	.4083		#9 <del>1</del> 2.	· •			0750								1979				5085
	DEPENDENT VARIABLE CP	.7800					į	. 2879		٠	:				I ccu					2452		
4.288	DEPENDE	.6730	1	.4738	.3929				.2438		12.00	1000			1363					2373		2669
		.5340		. + <u>1</u> + .	.3915					.2192	0 10				083U			1674		2205		
BETA (3) =	SURF	.4270		.3826		4681					.2197		. 0036		0612				1521		1337	2691
15.916	WING BOT	.3640					.3578					. 1868		0244			0748		- 0755		1188	
ti	C DILEFT	. 2930											9	, ,		1640	•	5210.				09 <del>4</del> 6
ALPHA ( 6)	SECTION ( 1) LEFT WING BOT SURF	2Y/9W	X/CH	B 0 1	100 E	. 565	.637	3. 2.7.6.	720	.) C	5.5	3.4.	60 f	i in i		ທີ່ ຄູ່ເ ເກີດ ເກີດ	. e73	Ð.	හු ජ ජ ජ	026	. 953 . 953	. 965 1.003

## TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

3.0241 05 AUG 75 ) Z Z PARAMETRIC DATA (XEBL63) 552.28 5.000 16.300 RUDDER BOFL AP R-EL VN ٥. AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT 600.11 .9720 -.6082 -.6622 -.5978 -.6348 -. 3871 -.5870 Ø -.3304 -3.840 MACH \* 1.2459 .8870 -.4482 -.4229 -. 5442 -. 5921 -.503+ -.5565 DEPENDENT VARIABLE CP .7800 -.3567 -.5343 -.4828 -.6051 -.3927 -. 2259 1076.6800 IN. XO .0000 IN. YO 375.0000 IN. ZO .6730 -.5123 -.5190 -.5810 -.4670 -.2918 -. 2202 -.1778 -. 1441 -.4086 -.5791 -.2007 .5340 -. 2448 -.5007 -.5405 -.1984 -.3746 BETA ( 1) .4270 -.2060 -.3135 -.3450 -. 3819 -.1707 -. 1996 -. 2394 GEWIX CHILL ZMBP -.2185 -.3916 SECTION ( 1) LEFT HING BOT SURF PEFEPENCE DATA 2573,0000 SQ.FT. 474.8000 IN. 926.0580 IN. -.2922 -.2773 -.2724 . 3640 -.0530 -. 1455 -. 1398 -. 369+ -. 1117 ALPHA ( 1) = -4.050 . 2990 -.1552 -.1527 -. 1561 -. 1343 - 2024 LINE F ... BULE # SCALE # 27 / B.

-.4570

-.3570

1.4847

PAGE 2679

-3.840

ALPHA ( 1) = -4.050 BETA ( 1) =

DATE 10 FEB 76

SECTION ( 1) LEFT MING BOT SURF

DEPENDENT VARIABLE CP

			3.0241										
			•										
			プルプ										
			• 552.28										
			٥.										
			<b>-</b> 500.11										
.9720	6740		o		.9720	6575	6847		4075		6174		5026
.8870	3575	2845	<b>■</b> 1.2459	RE CP	.8870	5934	6226		. 5686		5246	4623	3080
. 7800	-, 3098			IT VARIAE	.7800	3963	6219		5433		0064		
.6730	8745	2596	.196 MACH	DEFENDENT VARIABLE CP	.6730	5280 5554	5878		5042		3823	1666	1328
.5340	4689				.5340	3996 5469	5207	+163·-	2781		1836	:406	£ 41 1
.4270	. 4373 8-13-5-	1622	BETA ( 2)	SURF	.4270	0858		1856		1651	1369	3 3	មា 3 3 1
. 3640	3982 3933			DILEFT WING BOT	.3640	1322	,	0679		. 00599	0570	1043	
.2990	2855		= -3.916	DILEFT :	. 2990	0000°.	1138	90 2	0 1 1 2 0	0892			
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PAGE 2881

TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

DATE 10 FEB 76

(XEB_63)																	P - 552.28 RN/L - 3.0241							
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT			<b>.</b>													•	<b>=</b> 600.11							
C/R ORE			.9720		6517						5463						O		.9720	6882	ć	0942	;	4031
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:0A14B)		DEPENDENT VARIABLE CP	.7800			į	. 54gs			4549				4102				T VARIAB	.7800	4279	6355		5437	
3 11-073	.196	DEPENDEN	.6730		1	1 <u>9</u> £6		3 <del>+</del> 09		3248				5276		2867	4.275 MACH	DEPENDENT VARIABLE CP	.6730	5400 5740	5882		4617	
AME	Ħ		.5340			1868		3813		1544		4936		4742					.5340	3896 5250	4462	3643	2051	
	BETA ( 2)	SURF	.4270				1883	Š	+086	4287			J664	2220	•	2006	BETA ( 3)	SURF	٠٠٤٦٥	.0176 7510.	•	-, 1083		
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT BETA ( 3) = ALPHA ( 1) = -3.923

.8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION ( 13LEFT WING BOT SURF 3640 .2390 2Y/BH

-.1409 -.1859 -.3977 -.5325 -.0870 -.1102 -.0593 -.0446 -.0643

-.6181 -.3379 -.1025 -.1281 -.0835

-.5388 -. 4000 -. 1521 -.1555 -.1822 -.0939 -.1087 -. 1836 -.3369

-.0773

-.3306 -.3820

-.3805 -. 3839 -. 1673 -.3913 -.1752

-. 4454 -. 3068 -. 4551 651+.--.1977

-. 4220

-.5013 -.4832 -.3937 -.3819 - 2948 -.3812

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-.:763 -.2885

-.4968 -.4655

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DATE 10 FEB 7	Æ.		TABULATED		SURE DATA	1 - 0AI48	I AMES	PRESSURE DATA - DAI48 ( AMES 11-073-1 )					PAGE EBB3	
				AMES	5 11-073	OA1481 -	140A/B/C	VR ORB LEF	AMES 11-073(04148) -1404/8/C/R 078 LEFT WING BOT		(XEBL63)	53)		
ALPHA ( 2) =	٠	10. P+4	BETA ( 1)		-3.864 MACH		1.2451	o	<b>s</b> 599.58	•	- 552.51	Z	3.0238	R
SECTION ( 1)	INCEFT WING	HING BOT	SURF		DEPENDEA	DEPENDENT VARIABLE CP	LE CP							
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• •	.2598	3:65		-, 4296			4679							
က တ တ တ		3399	4675											

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DATE 10 FEB 76

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552.51
AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT
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PACE 2685

TABULATED PRESSURE DATA - DAIHB ( AMES 11+073-1 )

DATE 10 FEB 76

DATE 10 FEB 76

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(XE81.63)

-1.	LEFT WING BOT												•	٠									
11-073	C/R ORB			.9720		0855	•		.0107		0288			3202				Ç	B150.				
8 C AMES	-140A/B/C/R		BLE CP	.8870		.0799		.0425		.0467		0071			2656					4291			2796
'A - 0A14	10A14B)		DEPENDENT VARIABLE	.7800		7170.		.0752					. 0093		2767		Ş	3089			4526		
TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1	AMES 11-073(0A148)	-3.864	DEPENDE	.6730		.0508		.0662		.0918	.0783			0463	9000	98/ a.		800°			3358		2207
ITED PRES	AME	1) = -3		.5340		.0359		.0686		.0715	.0695			0391	2077	5/63:	7007	. 5465		4110	4376		
TABUL		BETA ( )	SURF	.4270	.1333		.0788	.0715	•	.0653	-,4769				0475	2507		3285		4062	į	2986	0883
		3.990 E	DEFT MING BOT	.3640	.0 <del>36</del> 4	É		.0798	.0715	•		.0675				0521	2886		3228		2625	2955	
8 76 57		a		. 2990	¥110		0039										0695		2877	1224		7107	;
DATE 10 FEB		ALPHA ( 3)	SECTION (	2Y/BW	ж/сн 180. 285.	150 151	771.	બં જે જે જે	396. 390	604. 604.	532. 882.	.630 .637	650	. 700 2557 -	. 760 . 27.	. 808 808	. 639 . 639	. 857 583.	.855 978.	629. 829. 80.	7 CC		200

DATE 10 FEB	76			[ABULA]	red pres	SURE DA	TA - 0A1	18 C AMES	TABULATED PRESSURE DATA - DAING ( AMES 11-073-1 )	_					Ø.	PAGE 2688	<b>5892</b>
					AME	5 11-07	3(04148)	-140A/B/	AMES 11-073(0A148) -140A/8/C/R ORB LEFT WING BOT	113	WING BOT		ex.	(XE8L.63)			
ALPHA ( 3)	,,,	3.931	BETA	(8)		.185	MACH =	= 1.2448	đ	•	599.34	α.	- 552.51		RN/L	•	3.0213
SECTION (	11657	T MING BOT		SURF		DEPEND	DEPENDENT VARIABLE CP	NBLE CP								•	
27/BW	.2930	0 .3540		.4270	.5340	.6730	.7800	.8870	9720	,							
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ម ដូច្ច ដូច្ច			i	5078	8160.	. 0961		č	! !-								
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT ( AMES 11-073-1 ) DATE 10 FEB 76

552.51 .9720 **■** 1 2448 DEPENDENT VARIABLE CP .7800 -. 3375 -. 4416 4.245 MACH .6730 -.2037 .5340 #5±4·-BETA (2) BETA (3) -.3833 .4270 -. 0962 SECTION ( 1) LEFT WING BOT SURF -.2980 3640 ALPHA ( 3) = 3.991 .2990 -.3535 2Y/5W

DEPENDENT VARIABLE CP SECTION ( 1) LEFT WING BOT SURF ALPHA ( 3) = 3.994

3.0213

.7800 .1722 .6730 . 1801 .5340 .2339 3754. . 3640 .2990 -.2511 .0000 27/5E

.1010 .1702 .1371 1. 1. .3203 .2637 .0112 -.3613 -.2137 -.1684 -.0967 -.0752

-.0305

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.1214 到: .1114

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.0951

. 1487

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-.0200

.0192

-.0423

-.0339

-. 3848

**-.3081 -.2778** 

.0967

PAGE 2689

(XE8L63)

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PAGE 2690
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             (XEBLB3)
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              AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT
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 TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )
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  DATE 13 FEB 76
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                           ALPHA ( 3) =
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DATE 10 FEB	76		TABUL	ATEO PRE	SSURE DA	TA - 0414	18 ( AMES	TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )	-						PACE 2591	50
				¥	TS 11-07	310A14B)	-140A/B/	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	EFT 1	TING BOT			(XEBL63)	•		
ALPHA ( 4)	. 7	7.968	BETA ( )		-3.863								,			
SECTION ( )	1)LEFT	LEFT MING BOT	T SURF		DEPEND	DEPENDENT VARIABLE CP	BLE CP									
2Y/8W	0062	.3640	.4270	.5340	.6730	. 7800	.8870	.9720								
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ALPHA ( 4) .	7.5	7.973 BE	BETA ( 2).	•	.M 671.	#ACH	1.2457	0	ET	599.38	Ω	•	551 00	200	,	2000
SECTION ( 1)	DLEFT 6	WING BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	ار 9									
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X/CW .010 .020 .020	2186 0000	4673 2050 1415	.2213 .3347	.5529 44.85 89.44	1644.	. 5582 . 4558	.5628	08 W								
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING			.9720	j	*0/0°=	į	) teo.	- - - - -		6.55			4082			
140A/B/C		LE CP	.8870	.2986		.2357	.2165	שאט			פופי			4073		3836
. (8+140)		DEPENDENT VARIABLE	,7800	3895.		.2908			.1033		9 t v	1	322 <b>8</b>		4277	
3 11-073	179	DEPENDEN	.6730	.2851		.2549	. 2934	.2015		.0328	2321	ļ	3380		3693	1771
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_	BETA ( 2)	SURF	.4270	. 2586	.2199	5192	.2192	5623			. 0305	1907	2657		3435	1095
	7.973 Bit	THEFT MING BOT	35+0	.0367	.2422	.1538	.2005		<u>.</u>		£	£+12		2598	2190	• • • • • • • • • • • • • • • • • • •
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	MING BOT	<b>599.38</b>
11-073-1	AMES 11-07310A148) -140A/B/C/R ORB LEF: MING BOT	σ
RABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )	-140A/B/C	7.897 BETA ( 3) = 4.244 MACH = 1.2457
DATA - OAI	-073(OA148)	MACH
PRESSURE	AMES 11-	4.844
ABULATED		(3)
<u>r</u>		BETA
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PAGE 2693 (XE8L63) 551.80

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SECTION ( 1) LEFT WING BOT SURF

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DEPENDENT VARIABLE CP .7800 -.0905

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PAGE 2695
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             AMES 11-073(0A148) -140A/B/C/P ORB LEFT WING BOT
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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PAGE 2696														reen r	)			,		
	(XEBL63)														#h .255					
	MING BOT														- 599.56 ·					
1-073-1	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT			.9720	76497		3073				4037				o		0\$26.	3213	1440	
TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1	40A/B/C/		E CP	.8870	.3057	1305		1693				3618		5270	1.2456	BLE CP	.8870	. 15.40. 15.40.	.5266	
- 0A148	1- (8+14)		DEPENDENT VARIABLE CP	.7800			. 1663	1891			2630		3992		MACH	DEPENDENT VARIABLE CP	. 7800	.5656	.5298	
RE DATA	11-073(0	.185	DEPENDENT	.6730	. 3902	.2897		6211.	1923		3130		3337	2921	4.256 M	3CN343C	.6730	. 5653 . 5656	516.	
O PRESSU	AMES		u	.5340	.3694	.2985		. 1072	1.29		<b>-</b> .2⁴.18	3178	3979		•		5340	8 8 11.12 11.12	4534.	
TABULATE		.A. (.2)	SURF	.4270	. 3655	5893			.0932	1437	2162	. 298÷	2580	2936	BETA (3)	SURF	. 427B	3898 . 1282		
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AMES 11-73(CA148) -140A/B/C/R ORB LEFT WING BOT	
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IMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT (XEBL64) ( DS AUG 75 )	PARATETRIC DATA	IN. XO RUDDER = 5.000 SPDERX = 55.000 IN. YO BOFLAP = 16.350 L-ELVN = -4.000 IN. ZO R-ELVN = -4.000 MACH = 1.100	MACH = 1.0981 0 = 598.93 P = 709.5v RN/L = 3.1905	DEPENDENT VARIABLE CP	0576. 0887. 0188. 05780	655625484 3808080468417	83918309	9308	173397676	5170	1969 695		6175	8152	2280	159*727*	38124584	<b>1</b>		105 - 5579
AMES 11-07		6.6800 .0000 5.0000	-3.840	DEPEN	340 .6730	1867416 7677773	566 7992	*2 <u>.</u>	·		285008			23 1434		82.14	_	9+3516		594105
AMES 11-07		- 1076.6800 0000 - 375.0000			.5340	6186 757	7206	702	4524 700	81	2728	į	csc1	1223		<u> </u>	2397	+664	<b></b>	H 5559 - H
•	DATA	6.6800 .0000 5.0000	1) • -3.840	SURF	0453. 0754.	28096186 3447767 -	7206	2873	*59*·-	٠. اع	2728		. 1333	. 1223		\$10°-1	2397		5121	.5569
•	RENCE DATA	SQ.FT. XMMP = 1076.6800 IN. YMMP = .0000 IN. ZMMP = 375.0000	BETA ( 1)3.840	SURF	.5340	6186 757	7206	2873	.4524	Ý	2728	į	. 1232	1223	1092	\$10°-	2397	- 1439 - 1439	<u>.</u>	.5569
•	REFERENCE DATA	FT. XMRP = 1076.6800 YMRP = .0000 ZMRP = 375.0000	(1) * -3.840		0453. 0754.	28096186 3447767 -	7206	2873	. 1409	0628	. 1282	9241.	. 1232	1223	1092	זנו כי-	2397	4664 6639	<u>.</u>	. 4865

## REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

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             AMES 11-07310A148) -140A/B/C/R ORB LEFT MING BOT
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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PAGE 2699

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(XEBLE4)
AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT
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             BETA ( 2) =
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                           SECTION ( 1) LEFT WING BOT SURF
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             ALPHA ( 1) = -3.948
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                                            . 2990
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.9720 -.8001 -.6553 .8870 -.6552 -. 7839 -.8357 DEPENDENT VARIABLE CP .7800 -.6356 -.8318 -.2198 -.3115 -.6024 .6730 -.7766 -. 7439 .5340 -.5780 -.5697 -. 289t .4270 .054 i .022 i -.0976 -.0772 SECTION I THEFT WING BOT SURF .3640 .0504 2000 -. 1035 -. 1008

-.3951

■ 709.5±

= 598.93

4.273 MACH = 1.0981

BETA ( 3) =

2Y/EM

(XEBLG4)

URE DATA - 04148 ( AMES 11-073-1 )	
TABULATED PRESSURE DATA	
DATE 10 FEB 75	

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LEFT	
ORB B	
-140A/B/C/R	
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	
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	E CP	.8870 .9720		+99h*-	5716	2435	-, 4802		2036	111111111111111111111111111111111111111		4678						6034			
	DEPENDENT VARIABLE CP	.6730 .7800		*.2685				4 <u>6</u>	i	1865	38	4535	50			500C 51		í		94763815	
3) = 4.273	DEPE	.5340		13331931		10621158		12721534			2438	7073	50835120			Bille: Bigg:		6392		¥ - 111.1	- 2215
BETA (3)	BOT SURF	.3640 .4270	1004	4400.		0340	0810	4105	1124			į	)	cc3c5150	+96+-	1145		4783	4980 4980	5099	2376
3.942	I THEFT WING BOT SURF	. 2990		. 0569 . 0	'			•	1	•			ſ		4		5041	+ 3768	ar I	i.	6095
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PAGE 2702		3.1909																				
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	(XEBL64)	708.37																				
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•	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	. 599.80																				
TABULATED PRESSURE DATA - QA148 ( AMES 11-073-1 )	K ORB L	ø,		.9720	4025	i i	609	į	2164		0836		1453		1000	6634.				3882		
3 ( AMES	-140A/B/C	= 1.0998	PLE CP	.8870	3149 5974	60 <b>2</b> 9		4667		0824		0050		1128			30/4·-				3078	-
1 - QA146	OA148)		DEPENDENT VARIABLE CP	.7800	4019	5623		3671		0946					0879	į	. 3845		5324			
SURE DATA	3 11-073	-3.863 MACH	DEPENDEN	.6730	4718	4651		2154		0939		.0156	0397			1311	2759		3835			
TED PRES	AMES			5340	3358	3131	2616	1786		0620		<b>\$100</b> .	0069			- 1444	0114		5104		5195	
TABULA		BETA ( 1)	SURF	.4270	.2104 .1298	0650	0617		0852		<del>Q.</del> 51	0000	6000	506F			113¢	4371	F008	•	4525	
		.059 BI	WING BOT	.3540	0106	0287		. 0235	.0877	0239		0135			0035			0977	4269	4473	26.0	1.45.10 1.45.10
9.76			11CFT	.2990	.0000	0877		1063		0788								•	1576	1649	2576	
DATE 10 FEB		ALPHA ( 2)	SECTION 1	2Y/BW	X/CW .010 .020	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	200. 080. 180.	. 1585 1531	751. 163	8 8 8 8 8	5. 10. 5. 10.	390 804 803 803		. 565 . 600	.637	5,67. 2007. 2*.7.	057. 067. 27.	. 798 . 808	9. 89. 89. 84. 8. 83. 63. 67. 67.	9 8 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ន ខ្លាំង ខ្លាំង	ת ה: ח

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	T WING BOT						<b>599.80</b>													
11-073-1	AMES 11-07310A148) -140A/R/C/R ORB LEFT WING BOT			.9720			G		.9720	2205	2113		1440		900		1640	-,4430		
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1	-140A/B/C		BLE CP	.8870		1344	1.0998	BLE CP	.8870	3331	0.4770		1260		1101	0181	-, 1485	<b>!</b>	4918	
- 0A146	0A148)		IT VARIA	.7800	1634		MACH	DEPENDENT VARIABLE CP	.7800	4208	4354		0590		0647			1091	3642	
SURE DATA	3 11-0730	-3.863	DEPENDENT VARIABLE CP	.6730	6593	1876	. 183 M	DEPENDE	.6730	4506	3638		0794		0428	. 0458	033F		1521	
reo Press	AMES	ø		.5340	2604				.5340	2491	2368	1560	1016		0320	0030	0039		1383	
TABULA		BETA ( 1)	SURF	.4270	2461	1037	BETA ( 2)	SURF	4270.	.2892. 72.37	6100.	.0071		0318	.0010	92.00	6024		-	٠
		059 BI	HING BOT	.3640	2311		. 062 B	MING BOT	.3640	0127	<b>+</b> 00.	.0636		.1630	.0224	. 0224		0132		
9 76		,	DLEFT	.2990		4318		DILEFT	.2990	1017	1072		1077		0678					
DATE 10 FEB 76		ALPHA (2)	SECTION (	2Y/BW	X/CW .950 .953 .953	1.000	ALPHA ( 2)	SECTION ( 1) LEFT WING BOT SU	2Y/8W	X/CW .010	5 G	. 080 . 080 . 080 . 080	\$ 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		25.55 8.55 8.55 8.55 8.55 8.55 8.55 8.55	100 m		688. 689. 689.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	20.

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

3.1909 N N - 708.37 599.80 -. 1602 -. 1654 .9720 .9720 -.1573 -.3707 ø -.2846 .8870 MACH = 1.0998 -.2510 -.3345 .8870 -.0199 -.0397 -.0765 -.1120 .0051 -.0326 -.0559 -.1011 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 -. 3508 -. 3471 .7800 -.5499 -.3138 -.6427 -.2618 .6730 -.2362 -.2980 -.2437 -.2297 .6730 -.5129 -.3659 -. 3479 4.253 -.0582 -.0619 .5340 -.0833 .5340 -.4201 -.5536 BETA ( 3) = BETA ( 2) -.5288 -.2864 -.1618 .4270 .4270 . 0885 .0491 9044.--.4781 .3629 .3074 .1756 . 250 50 SECTION ( 1)LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF -.4187 -.3841 .3640 .3640 -.0409 -.0161 -. 1260 -.4137 .0934 .2214 1160. .0664 -.4251 .052 .059 -.1182 -.5073 -.2845 2990 -.2031 - 1474 -.4323 -.0538 -.1561 ALPHA ( 2) . ALPHA ( 2) = 2Y/BW 21/BM

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AMES 11-07310A1481 -140A/B/C/R ORB LEFT WING BOT

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												600.25
	.9720		1867	1				7850				•
LE CP	.8870	0482	33		1 1908				6370		2033	1.0995
VARIAB	.7800	·		1348	200t			5563	•	3624	•	
DEPENDENT VARIABLE CP	.6730	. 0281	0487	•	1853	4265		3480			2702	-3.865 MACH
۵	.5340	.0230	0242 -		- 1751 -	4581 -		5286 -	5867	33785973	•	
SURF	0754.	.0342	. 5020			1694	4332	4578		5411	1625	BETA ( 1) .
EFT WING BOT SURF	.3640			0180		į	8	4136	¥. 2.		4731	
DILEFT W	. 2990			•			-,1758		4296	•	. 5486	120.4
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AMES 11-073-1 )	-140A/B/C/R ORB LEFT HING BOT		d)	.8870 .9720	97.C	0757	.0721	0187	.0911		0595	4313	.3831				- 4880	.5635			2071
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- 0A148	0A148)		T VARIABLE	.7800	3	<u> </u>	.1299					0323	747			5085			5433		
TABULATED PRESSURE DATA	11-073(0A148)	-3.865	DEPENDENT	.6730		961.	.1355		.1694	.0613			0951	3326		3309			5216		1952
ED PRESS	AMES			.5340			. 1500		. 1630	.0935			0825	3731		4484		5276	2335		
TABULAT		BETA ( 1)	SURF	.4270	. 1339	8260.	:	. I + 83	1784	5772				0695	3801		4591		51 I&	2312	0815
			HING BOT	.3640	.1202	.2331	.0813		-		1,000				0523	3879		3952	3824	3094	
8 76		120.4	INCEFT	.2990	0453		9140								ļ	107÷	3	2115		1	<del>-</del>
DATE : O FEB		A.PHA . 31	SECTION (	24 / BM	40/x 180. 1880.	08:: 781: 1681:	65. 25. 25. 25.	47.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	2000 13.5.	ស្តេច ស្តេ ស្តេច ស្តេច ស្តេច ស្តេច ស្តេ ស្តេ ស្តេ ស្តេ ស្តេ ស្តេ ស្តេ ស្ត ស្តេ ស្តេ	. 663 57	283. 2878.	000		. 908 . 908	တ္ (၁) (၁) (၁) (၁) (၁) (၁)	. 850 100 100 100 100 100 100 100 100 100 1	ດ ທີ່ຄຸດ ທີ່ຄຸດ ທີ່ຄຸດ	8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.50	inioi With	200.1 200.1

PAGE 2707	(XE8L64)	P * 709.31 RN/L * 3.1949																					
11-073-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT	0 = 600.25		.9720	.00%		.0007		- 090°-			0587		1085		1603					5289		
PRESSURE DATA - DAINB ( AMES 11-073-1 )	B) -140A/B/C	- 1.0995	DEPENDENT VARIABLE CP	00 .8870	3002 58 . 1806	1531 . 1531			36 .1166		10 .0763		1670.	·	0756			.3920		•	•	5851	
3ATA - 0.	J73(0A14)	. 178 MACH	DENT VA	0087. 08	37 . 2705 8 . 1758	F .1273			1656		. 1510		<b></b>	Q		0371		4027 1		502			
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TABULATED		BETA C 2	SURF	.4270	.4360	E.S.	900	60		.1457	,	. 1505	1937	6500				0765	3689	6764	!	6	•
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DATE 19 FEB		ALPHA ( ?)	SECTION 1	2Y 'BH	ж.си .010.	500			rigi	.163 771.	2.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5		003. 003.	. 553 553 563 563	.600 .637	.650 .670	700	037. 257.		689 689 766	. 852		ງ ຫ ເ <b>ຫ</b>

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AMES 1173(DA148) -140A/B/C/R ORB LEFT WING BOT	821.
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	ALPHA ( 3) =

DEPENDENT VARIABLE CP

SECTION ( 1) LEFT HING BOT SURF

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.6730	5657	1756 4.243 MACH	DEPENDENT VARIABLE CP	.6730	.2746 0045.	1071.			.1730		. 1512		. 1609	.0568		•	0988	•
.5340	2262			.5340	.3805	.2208	. 1920		.1769		1691 .		. 1582	. 0867			- 0890	)   
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                                              AMES 11-07310A148) -140A/B/C/R ORB LEFT MING BOT
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   TABULATED PRESSURE DATA - DATHB ( AMES 11-073-1 )
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(XEBLG4)

## AMES 11-073104148) -1404/8/C/R ORB LEFT WING BOT

BETA ( 1) = -3.859 7.977 ALPHA ( 4)

													600.25 P • 709.31 RN/L • 3.1954					
	6	i	0	1	M				<b>~</b>						~	_		
	.9720	•	0210		3873				4018				0		.9720	1837	2270	
BLE CP	.8870	.1834		.0078	7307					5263		3638	= 1.0995	RE CP	.8870	5796 1991	.4139	
DEPENDENT VARIABLE CP	.7800			.0315	1 0 1 0			4501			5690			IT VARIA	0082	.6083	.4267	
DEPENDE	.6730	.2732	. 1630		0443	3508		Ethi			4625	1635	. 181 MACH	DEPENDENT VARIABLE CP	.6730	.5686 .5140	.4281	
	.5340	.2678	. 1777		0263	3273		4422		5111	2233		n		5340	.6105 .524	.~316	. 3908
SUMF	.4270	2905.	639!			0429	3188	3998		+.4815	2837	1015	BETA ( 2)	SURF	.4270	3190 9524 96334	1	
DILEFT WING BOT	3640			. 1746			ac	- 349÷	1012		•	r 000 :		LEFT HING BOT SURF	3640	6405 3127		
	.2990						קראר. הראר	•	3699	1421		£10+'-	7.981	1) TELL P	. 2990	3329 . 0000	3697	
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(XEBLG4)

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-140A/B/C/R ORB LEFT WING BOT																					
C/R 028 L			.9720		0970			0339	0633		9024	. 1300					4483				
-140A/B/		BLE CP	.8870		.28+0		.2207	. 1666		0098			.32%					5421			4093
(04148)		DEPENDENT VARIABLE	.7300		.3549		.2980				.0189		3616			1544			5587		
AMES 11-073(0A148)	.181	DEPENDE	.6730		.3575		.3113	.2705	.1586			0231		- 3488		3986			6114.		1708
Ą	•		. 5340		. 3369	,	.3126	.2675	. 1807			0168		3234		4318		5163	1936		
	BETA ( 2)	SURF	.4270	. 3839	1	. 155.	. 3083	8	GZ 17				0342		XX	3711		ť		352*	0952
	7.981 8	HING BOT	. 36+0	7410.	.3527	.2916		. 299 <del>4</del>		.173!				0398		, 55¢.		32:7	2983	3559	
		DLEFT	. 2390	0557		0265									0571		3574	1383		1 1 1	) }
	ALPHA ( 4)	SECT10% :	24 / B.k	X/CH 100. 086. 096.	001. 701.	60.0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ក្រសួល មួយសូល	530 7.89	. 650 670	. 700 	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	57.7. Bir.	B: 4:00 6:00 6:00 6:00 6:00 6:00 6:00 6:00	. 66. 6.00 7.08	. ee. Gra	ရှာ ရှာ ရှာ ရှာ	10 S	M ហេ មា សំ សំ សំ សំ សំ សំ	10

DATE 10 FEB 76  ALPHA ( 4) = 7.  SECTION ( 1) LEFT	.930 WINS BO	TABUL ETA ( SURF	u.	PRESSURE DATA - 0A148 ( AMES 11-073-1 ) AMES 11-073(0A148) -140A/B/C/R ORB LEF 4.237 MACH = 1.0995 0 DEPENDENT VARIABLE CP	URE DATA - 04148 ( AMI 111-073(04148) -1404/1 237 MACH = 1.0999 DEPENDENT VARIABLE CP	1148 ( AMES 3) -140A/B/( = 1.0995 RIABLE CP	11-673-1 1,7R GRB L 0	PRESSURE DATA - 0A148 ( AMES 11-073-1 )  AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT  4.237 MACH = 1.0995 Q = 600.25  DEPENDENT VARIABLE CP	۵	(XEBL64)	Z	PAGE 2712
2Y/8% . 2990 X/CW - 5499 . 020 . 0000	. 43640 - 4394 - 3451	. 1850 . 3316	.5340 .5834 .0181	.5378 .5378	. 7800 . 5486 . 4950	.8870 .5113	.3414 1.3414					
i		•	.3854	¥.	÷ 1.	. 3865	2042					
	. 3250	3+66	.3359	3399	.337	.2597						
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କୁ ଅଧିକ୍ରୀ ହା ଜୁ ଅଧିକ୍ରୀ ଜୁନ	. 305 E.		. 1613	.1380		.1385	•. 12 <sup>4</sup> 9					
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TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 ) DATE 10 FEB 76

PAGE 2713							3, 1951																
	(XEBL64)						€7.017 •																
							٥																
•	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT						599.84																
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1	C/R ORB L			.9720			o		.9720	1927		0407			0900			. 0629		. 0233	•	381;	
8 ( AMES	-140A/B/		BLE CP	.8870		4617	1.0980	RE CP	.8870	.6580	. 5836			.425¥			.3486		.2656		.0795	·	2794
A - 0A14	(0A14B)		DCPENDENT VARIABLE CP	.7800	5205		MACH #	DEPENDENT VARIABLE CP	.7800	.7316	.6125			₩.			¥81.						2796
SURE DAT	S 11-073	4.237	DCPENDE	.6730	4872	2332	-3.844 M	DEPENDE	.6730	.7373	.6101			1664.			1321		. 3652	.2343		.0575	·
TEO PRES	AME			.5340	4294				.5340	. 7422	.5973	.5290		.4734			.4287		.3615	.2552			. 0359
TABULA		BETA (3)	SURF	.4270	4123	1006	BETA ( 1)	SURF	.4270	.2417 .4626	9	2000	3 0 0		09119		.4160		.3819	6835			.0326
		7.900 8	THEFT WING BOT	36+0	3713			HING BOT	.3640	5746 2089 1267			. 1903		.4600	.3966		.4032		·	.2492		
B 76				. 2990		1 * * * * -	= 11.919	DILEFT 4	.2990	2818	.0131		.0586			. 0820							
DATE 10 FEB		ALPHA ( 4)	SECTION C	2Y/3W	X/CW .950 .953 .955	COE: 1	ALPHA ( 5)	SECTION (	2Y/8W	X/CH 010. 020.	.050		987. 460.	. 150	.163	229. 345.	.250 *75.		203.	638. 208.	633 759	. 670 . 073 . 025 	087. 087.

AMES 11-073(0A148) -140A/B/C/R ORP LEFT WING BOT

DATE 10 FER 76

(XEBL64)

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  BETA ( 1) =
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           SECTION ( 1) LEFT WING BOT SURF
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ALPHA (5) # 11.919
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DATE 10 FEB 76 ALPHA ( 5) = 11.930	TABUL. BETA ( )	.ATED PRE AM 2) =	SSURE DA: ES 11-07.	TA - 0A14 3(0A14B)	14 ( AMES	TABULATED PRESSURE DATA - CA148 ( AMES 11-073-1 )  AMES 11-073(CA148) -140A/B/C/R ORB LEFT WING BOT A ( 2)189	TH HIS	16 BOT		(XE	(XEB.64)	PAGE 2715
( 1)LEFT WING BOT	SURF	I	DEPENDE	DEPENDENT VARIABLE CP	BLE CP							
049E. 3640	0.4270	.5340		.7800	.8870	.9720						
	.3750	.3580	. 3592		. 2439							•
5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	7188	#50°.	. 2295			0209						
.2507					.0595							
			. 0562	.1037		4300						
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n-10		7.2345	3373					•				
0052	2823	•										
	3122	3854	4175	4068						٠		
3190	•					4816	•					
1013		4792			CACA							
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\$ 9	3527	5418	4561	5393								
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5) * 11.925 8	BETA ( 3)		4.249 MA	<b>*</b>	1.0980	a	. 800 pt	á	٥		į	
SECTION ( 1) LEFT WING BOT	SURF		DEPENDEN	AR I AE	<u>а</u> ы			5	٠.	94.01/ ·		3.1551
.2990 .3640	.4270	.5340	.6730	.7800	.8870	.9720	• •					
64826753 .00004611	1350	.5746 .6052	.5807 .5955	.5149		4747						
1928	71.50	.5622	.5573	.5340	.4862							
		.5132			•	2706						

(XEBL64)

	MING BOT																
TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )	-140A/B/C/R ORB LEFT WING BOT			.9720		1762		0788	0887		4737				66 70.		
3 ( AMES	-140A/B/(		RE CP	.8870		. 3593	. 2921	.2106		. 0283		2964			.5168		5208
4 - 0A146	(0A148)		DEPENDENT VARIABLE CP	.7800		. 4559	.3829				. 0860	3275		4291	·	5437	·
SURE DATA	AMES 11-073(0A148)	4.249	DEPENDEN	.6730		.4630	.4019	.3365	.2103		.0455	Ş	٠. غېده	4116		× 200	.2285
TEO PRES	AME	Ħ		.5340		.4512	1004.	.3350	. 2365				BCC 1	3827	4808	5121	· <b></b> •
TABULA'		BETA (3)	SURF	٠٤٦٥.	.4607	.4427	.4028	1	. 5929 6929			0038	2967	3195		3568	2663
		11.925 BI	WING BOT	.3640	0212	. 3526	.3517	. 38+4		.2321			0198	~. 296 <b>5</b>	2735	2726	
97 C		Ħ	1)LEFT	. 2990	0987		6111							0195	3217		3580
DATE 10 FED		ALPHA (5)	SECTION ( 1) LEFT WING BOT	SY/BW	X/CW .081 .085 .095	150 153 163 177	8. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	100 m		.633.	. 673 . 700		867. 808. 808.	. 839 939 958 958 958		រល់ស្ដ ភូពិស្ដា ភូពិស្ដាស្ដ	355 300 1

بزيا

PAGE 2717

## AMES 11-073104148) -1404/8/C/R ORB LEFT WING BOT

3.5768 55.000 -4.000 .900 05 AUG 75 1 . PN L (XEBL65) ( PARAMETRIC DATA 1057.5 5.000 16.300 RUDDER BOFLAP ۵ 600.12 a .90037 DEPENDENT VARIABLE CP -3.837 MACH 1076.6800 IN. XO .0000 IN. YO 375.0000 IN. ZO BETA ( 1) \* XMRP YMRP ZMRP SECTION ( 1) LEFT WING BOT SURF PEFERENCE DATA 2690.0000 SQ.FT. 474.8000 IN. 936.0640 IN. -3.965

.9720 .8870 .7800 .6730 .5340 .4270 .3640 . 2390 2Y/BM

A. PHA ( 1) =

SCALF +

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-.4892 -1.0812 -1.2516 -1.0216 -1.0373 -.5333 -1.2574 -1.3110 -1.3264 -1.3430 -1.3303 -.6613 -1.2315 -1.1563 -1.3105 -1.3623 -1.3721 -1.0636 -.4772 -.2878 -.2533 -.2264 -.... -.1306 -. 119¥ -. 1255 

-.6143 -.6313 -1.1419 -1.2169 -1.2414

-.3998 -.4757 -.9697 -1.1783 -. u689 -.3119 -.1697 -.0504

-.2001 -.2698 -.2719 -.2664 -.3079 -.2487 -.7709 -.3540 -.3357

-.5717

-. 5432 - . 6420 -.2300 -.2329 -.6135 -.6912 -. 2629 -.2116 -. 2771 -.2927

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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )
      DATE 10 FEB 75
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

BETA ( 2) -3.963 4\_DWA ( 11 #

.8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 CECTION O DILEFT WING BOT SURF .36+0 . 2990

-.2958 -. 2925 -.2922

-.5781 -.3343

-.7218 -.6797 -.2750

-.5885 -. 3475 -.5936 -.3665

-.4141 -.5481 -.4090 -.4047

-.4300

-. 3215

-. 2906

-. 7086

-.2779 -.3131 -.3168 -.3631 -.2630 -.4075

-.2837 -. 2092 -.1763

-. 1223 -.1421 A\_PHA ( 1) = -3.957

.90037 DEPENDENT VARIABLE CP 4.274 MACH . BETA ( 3) = SECTION ( 1) LEFT WING BOT SURF

- 1057.6

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11-073(0A148)
AMES

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BETA (3) =

ALPHA ( 1) = -3.957

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DEPENDE	.6730		3510	2603	3607			3760	6170		3949			2336		1339
	.5340		3313	2549	3073			3922	5950		3553		3324	3231		
SURF	.4270	3094	2843		2283	7595			3387	6559	· 克克克		1. 0.		2758	1855
HING BOT	3640		2009	2+88			2915			3759	5740	ė		2521	2025	
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PAGE 2721	(XEBL65)	P = 1057.3 RN/L = 3.5759																				
PRESSURE DATA - OAIW9 ( AMES 11-073-1 )	AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT	Q = 599.62		.9720	3390	- 3602		2777			2764		2141		C 18817	3,00				2108		
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- 0A149	OA148) -	n	T VARIAB	.7800	7707 818	6973		2624		2403					3236		+084		3746			
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TABULATED		BETA ( 1)	SURF	.4270		1771	2064		1858	•	1318	- 0037	3	8417			2116	7107	•	3834		3185
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75		ė.	THEFT W	.2993	9.00	.0031		0108	9	. 0282									3039	i	1,004 1,474	! !
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

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              AMES 11-073(04148) -1404/B/C/R ORB LEFT WING BOT
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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OA148) -		DEPENDENT VARIABLE CP	.7800			3666	5.50g.			3443			2758			- HOH	DEPENDENT VARIABLE CP	.7800	
11-073	4.252	DEPENDEN	.6730	1516	2+32		3127	6379		4185			2543		1365	-3.873 MACH	DEPENDE	.6730	
AMES			.5340	1343	2205		3641	8049°-		3503		3302	3212					0.5340	
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	Ď,	THEFT M	.2990						30.25	•	6622	4036		,	2072	# 4.02;	DEFT W	.2990	
	ALPHA (2)	SECTION ( 1) LEFT WING BOT	24/82	#5/x 004.	ស្តាំ មួយ ទីស្តាំ ស្តេ ស្តាំ ទីស្តាំ ស្តេ	. 537 550 500 500 500	ម្ចាប់ ស្រួល ស្រួ ស្រួល ស្រួ ស្រួ ស្រា ស្រួ ស្រួ ស្រួ ស្រួ ស្រួ ស្រួ ស្រួ ស្រួ	កម្មាធិ ស្រួក ស្រួក	9.00 9.00 1.00 1.00 1.00 1.00 1.00 1.00	រំពាញ់ ពិធីប្រជាពិធីប្រ	ម្ចាស់ មានស្វា មានស្វា	ກ ເກ ແ ກ ເກ ເປ	ក្រុក ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ	<b>2</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	296. 1.056.1	ALPHA : 33	SECTION ( 1)LEFT WING BOT SURF	24/BH	#U/X

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	MACH	DEPENDENT VARIABLE CP	.7800	.1463	0240		0205		0554					3002		6449		7631	1626		
5 11-073	. 183 M	DEPENDE	.6730	.0793 .0424	0221		0013		0286		0457	1573			2420		1119°-	4	9160		
AME			.5340	.0556	.0261	.0050	<del>1</del> 600.		. 0024		03+7	1337			2067		6925		538£	3249	
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3.5705 PAGE 2727 Ž (XEBL65) - 1059.3 AMES 11-073(0A148) -140A/B/C/R ORB ! EFT HING BOT 598.16 TABULATED PRESSURE DATA - DA148 ( AMES 11-073-1 ) ~.6202 .8870 .8870 **-** .89817 .1866 .0098 -.0214 -.0445 -.1329 -.1517 -.6456 -.7358 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 7800 .0155 .7800 . 1979 -.3085 -.2570 -.2036 -.0021 -.3177 4.246 MACH .6730 -.0906 .6730 . 0095 .1439 . 0245 -.0439 -. 1595 .5340 -.2159 .5340 .1295 .0812 .0433 -.0344 .0301 -.1374 BETA ( 2) = BETA ( 3) = -.1631 .3640 .4270 .4270 .0063 .2946 .3204 .2301 .0305 -.9366 -. 1449 . 1260 .0580 SECTION : INLEFT WING BOT SURF SECTION ( DILEFT WING BOT SURF .3640 -.154; -.0126 .0399 . 1725 .0425 .070 ALPHA ( 3) = 4.023 ALPHA ( 3) = 4.021 2990 -.1668 .2990 -.2060 -.0361 .0032 .0705 DATE 10 FEB 76 X/CH . 950 . 953 . 953 . 955 . 965 . 1 . 000 2Y/BW 2Y/BW

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(XEBL65)

## AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

**3.5706** Z **1058.8** 598.51 .9720 -.1436 -.e727 .9720 -. 1981 .8870 ₹.2492 .8870 .4630 . 0920 -.1023 .89873 . 2392 DEPENDENT VARIABLE CP . 025¥ DEPENDENT VARIABLE CP .7800 .7800 -.3637 .4970 .3718 -.2359 -.2636 . 2569 .0956 .1707 -3.866 MACH -. 3379 -. 4441 .6730 .6730 -.6145 -.1080 .#12 3712 . 1208 .2511 .1766 4.246 .5340 -.2882 -.5867 -.3138 .4846 .2583 .2110 .1760 .5340 .1431 BETA ( 3) = BETA ( 1) = .4270 -.3377 -.2647 -.2258 .4270 .2579 -.7239 -. 1334 1489 .4152 .4639 .3742 .1849 SECTION ( 1) LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF 0+5.2 -.2365 -.2335 -.3858 3640 -.1576 .0645 .1274 -.6185 -. 1667 .2790 .3225 .1761 1444 4.023 7.876 .2990 -.5876 . 2990 -.1502 3470. -.2442 -.4150 -.2158 .0403 . 1519 ALPHA ( 3) = ALPHA ( 4) = 2Y/BW 2Y/BW

PAGE 2729

TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

DATE 10 FEB 76

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(XEBL65)																	1058.8 RN/L					
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AMES 11-073(04148) -140A/8/C/R ORB LEFT WING BOT																	598.61					
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C/R ORE			.9720		2530		6035					4839					o		.9720	4410		3308
-140A/B/		BLE CP	.8870	0355		2350		6933					8376			2928	.89873	LE CP	.8870	.4074	1715.	
(0414B)		DEPENDENT VARIABLE CP	.7800			0000		6369			8191			4232			MACH .	DEPENDENT VARIABLE CP	.7800	. 45 <b>69</b> . 3645	.2527	
5 11-073	-3.866	DEPENDE	.6730	. 0589	0659		2260		6114		5223			3278		2187	.183 M	DEPENDEN	.F730	.4230	.2611	
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		DIFFE	.2990							2143		6227	4397		1	•		1)LEFT	.2990	3483 .0000	0314	
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AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT BE'4 (2) = 7.884

.9720 -.2827 -.2826 -.5215 -.6165 7170. .0030 -.0601 -. 2684 DEPENDENT VARIABLE CP -.6641 . 7800 . 1661 .0896 -.2138 -.6555 -.5199 -.8262 -.2541 -.3478 -.4088 .6730 . 1723 . 1215 -.0740 .0616 -.2160 -.6176 . 183 .5340 .1739 -.0468 -.1663 .0750 .1375 -.7152 -.6131 -.3168 .4270 . 2646 .1512 -.5686 . 1882 .1090 -.1678 -.3166 -.7253 -.6323 -.2027 SECTION ( 1) LEFT WING BOT SURF .3640 . 2209 .3099 .1757 . 1440 -.2856 -.5510 -.1708 -.6523 .2990 .0283 . 1243 -.2146 -.4485 -.5981 2Y/BW

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AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	.89873	RE CP	.8870	.3477 .2964	.2078		. 0599		0137		075		2707							9015	
OA148)		DEPENDENT VARIABLE CP	.7800	.4038	.2420		.1532		. 0807				6	600/				8059			
11-073	4.244 MACH	DEPENDEN	.6730	. 3932	.2553		.1743		.1068		.0479	0836			2186	6283		5259			
AMES			5340	.4466	.2868	.2279	.1720		. 1294		.0619	0507			1844	7246		5674		3138	
	BETA (3)	SURF	.4270	. 1080 . 2665	3015.			.1856	;	1410	1.0971	6745				- 1943	7115	654		-,3380	
	7.882 BE	WING BOT	.3648	3409	U808		.1470	OTTS.	.1607	186	}		0453				2127	6161		<b>J</b> B01.	34 14
	• 7.6	11FEFT 1	. 2990	5283	1220		0298		<b>₹</b> 060 ·								1400	•	~.5842	5444	
	A.PHA ( 4)	SECTION (	2Y/8W	X/CH 010.	500 500 500 500 500 500 500 500 500 50	200. 080.			225. 245. 055.	ች የተ ተ	204. 204.		689. 72.3.	.67 <b>0</b>	85. 25.	097. 087.	828. 828.	. 85.0 8.50 9.50 7.50	ម្ភាព សម្រាប់ សម្រាប់ សម្រាប់	າ ຕ ຫຼື ວິດ ວິດ ວິດ ວິດ	(m (m

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TABULATED PRESSURE DATA - DAING ( AMES 11-073-1 )

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AMES:11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

BETA (3) =

7.882

ALPHA ( 4) =

3.5707 ž - 1060.0 599.05 .9720 -.2148 -. 1996 -.5866 -. 3527 Ø .8870 5305 -. 1612 .8870 .0622 .4122 .2395 1504 -.5939 -- 58*27* DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 7800 .7800 -3.854 MACH = .2312 . 3229 .5873 .4488 -. 1424 -.2248 -.3337 -.4855 .6730 .6730 -. 1929 .2546 .5020 .3309 .1709 . 6204 .457¥ - 19£ -. 1863 5340 .3261 .2645 .0465 .5340 .5273 .5673 .3978 1798 .4661 BETA ( 1) \* -. 1841 .4270 .4063 .2671 -.5802 .2145 .4200 .4824 .2090 .4270 .3179 -.0832 SECTION ( 1) LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF .3540 -.1721 .3640 -.5646 -.1374 -.0301 . 2785 .4139 .2503 .2970 .0423 ALPHA ( 5) = 11.907 -, 4842 . 0000 .2990 .2990 .0734 . 1986 -.2785 -.0117 2Y/B1

-.2063

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DATE 10 FEB	87 B		TABULA	TED PRES	SSURE DA'	ra - 0414	8 CAMES	TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1	_				
				AME	5 11-07	3(04148)	-140A/B/	AMES 11-073(0A148) -140A/B/C/R ORB LEFT NING BOT	L	HING BOT		(XEBL65)	
ALPHA (5)		11.907	BETA ( 1)	Ħ	-3.85+								
SECTION (	1).EFT	HING BOT	T SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
SY/BW	. 2990	.3640	.4270	.5340	.6730	. 7800	.8870	.9720					
х/Си . 775 . 898		1929	6489	6593	6526								
. 839 . 658 . 658 . 658 . 658	<u>2005</u>	6519	6940	8082	6125	7695		5822					
. 978 978 978 978 919	5305 4090	5711	5356	632€			8140						
959. 959. 859. 878.		2358	2791	2839	6374	8419							
1.000			1691		3627		4883						
ALPHA ( S)		11.920 B	BETA ( 2)		.190 m	MACH	.89780	ø		598.05	۵	0.0801	-
SECTION (	DLEFT	WING BOT SURF	SURF		DEPENDE	DEPENDENT VARIABLE CP	LE CP			:			!
2Y/BW	.2990	.36+0	.4270	.5340	.6730	.7800	.8870	.9720					
X/CH .010 .020 .040	<b>692</b> 4 .0000	4142	. 0013 8759 1904	52.52 15.32	.5204 .5095	.4778 .4942	- - 4203 - 4280	5030					
050. 069 080	1141			9444	£79.	===	.3630	3481					
. 086 . 096 . 094	. 0090	1961 .	.3749										
		.3694	3085	.3078	.3163	.3007	.2051	2337					
ស្លស់ សូស សូស សូស	. 1576	.2726		60	.2347	.2096	9211.						
345		69-4.					·	. 1981					

- 3.5707

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(XEBL65)

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E NG	
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-140A/B/C/R	
11-073(04148)	
AMES	

														1860.0 RN/L - 3.5707					
														•					
														* 598.05	•				
		.9720		2613	, m				i i	3000°.				0		.9720	6587	4761	
	BLE CP	.8870	.0257		1974		. 6693				8621		5092	.89780	PLE CP	.8870	3005	.3150	
	DEPENDENT VARIABLE CP	.7800			1650	000	8500.		8016			8376		· HO	DEPENDENT VARIABLE CP	.7800	.3476 .4170	.3619	
. 190	DEPENDE	.6730	.1518	.0056		2019	6831		6297			5855	3249	4.258 MACH	DEPENDEN	.6730	.4220 .4419	.3956	
		. 5340	. 1625	.0376		1990	6578		8095		7258	3364		•		.5340	.4367	.4032	.3530
BETA ( 2)	SURF	.4270	1961.	5955			2240	6609	6559		7149	3036	1435	BETA ( 3)	SURF	.4270	2196 .0914		
	WING BOT	3640			.0352			550 I	6325			6046	2801		WING BOT	3640	3906 3178		
- 11.920	INCEFT W	. 2990						2269		6230	4138		1604	- 11.907	THEFT W	.2990	. 7960	2120	
Ĭ		ni ni	ក្រុក ( ) ( ) ( ) ( ) ( )	(1) (1) (1) (1) (1) (1) (1) (1) (1)	(\$2 (\$1 (\$1 (\$1 (\$1 (\$1 (\$1 (\$1 (\$1 (\$1 (\$1	14 7441 E 14 741 E 14 7 7			լում է բ Մասանի Մասանի Մասանի			មាស្ត្រ មាមបំផ្លា		A_3-2-51	61.08	ń.	() () () () () () () () () () () () () (		

(XEBL65)

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT BETA ( 3) 11.907 ALPHA (5) .

.9720 .8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION & DILEFT WING BOT SURF .3640 .2930

. 3263

.0991 -.0717

.1590 1075. .2861 .2812

-.3017 .2833

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.2366

.0992

.0838 . 1852 .2075 .2197

.1286 .1379 . 2329 .1716

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-.0122 .0168

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-.0090

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.7211

-.2317

-.6580 -.2087 -.2333

-.7101 -.6452 -. 2585 -.2559

-.6854 -. 7952 -.6569 -.6181 -. 2×83

-.8568 -.6089 -.5528 -.6252 M1111-

-.6651

-.8136

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-.5231

-.5868 -.2752 -.3325 -. 1533 -.7058 -. 3227 -.6033 -. 3734 -.5027

-.8620

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148)
310A
1-07
AMES 1

PARAMETRIC DATA		RUDDER = 5.000 SPUBRA - 55.000 EDFLAP = 16.300 L-ELVN = -4.000 R-ELVN = -4.000 MACH = .600	P = 2387.4 RN/L = 4.8005																
			<b>s</b> 591.26																
			o		.9720	-1.1313	-1.0214			3750		4302	66		- 5508				
			.59482	LE CP	.8870	-1 5097 -1.3677 -	-1.1269		6422		1.4451		-, 3263	1981		5010			
		222		r VARIAB	.7800	-1.5912 -	-1.1782 -		6569		4374				3324	. 5.45.4			2791
(011VD) 6/0-11		5800 IN. 2	7.846 MACH	DEPENDENT VARIABLE	.6730	-1.8016 -	-1.1923 -		5583		3868		2745	2830		3284	4213		3499
AFLS		375.66 375.01	•	_	5340	-2.1110 - -1.9424 -	9750 -	7383	-, 4950		3352		2502	2706		2993	6646		3396
	⋖	dental x	BETA ( 1)	SURF	.4270	-1.1655 -	1.0308	-,6452	<b>!</b>	-, 40a1		2909	2080	2052			2816	5838	
	REFEMENCE DATA	S0.FT.		s BOT	.3643	5924 -			3557	7900	3897	ţ	c/cy		٠. ٢			3142	3574
	e 3 d 3 d	0010.00.00 0010.00.00 010.000 010.000	DOSO:	ווייבני ויי	. 2993	8000 8000 8000 8000	2578		2359		1923							į	ř.
			4 설		24 / Bh	() () () () () ()	: ភ () : ភ () : ភ ()	# C + C	- (() + ( ) () () () () ) () () (	et Mr Tururt	មាមេខ ជាតិមា សូមមេ	in mi	ភូពស ភូពស ២៩៩ -	2 3 6 8 2 5 8 8 3 6 8	្តិ ស្ត្រី ស្ត្រី ស្ត្រី	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	1 0 m	m (t) (t) (1) (t) (1)	1 (0 () 1 (0 () 1 () ()

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(XEBL66)

AMES 11-073(04148) -1404/8/C/R ORB LEFT WING BOT -7.846 BETA ( 1) = -4.037 ALFUA ( 1) =

.9720 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION ( 1) LEFT WING BOT SURF 3640 . 2530 ×/Сы .957 24 / BH

-.422<del>4</del> -.2949 -. 3823

-.2122 -.2162 -.1795 -.2720 -.2138

-. 08t4 -.3301 -. 0986 -.0706 -. 1668

-.0275 -.0562 .0037 -.0782

-.065#

.9720 .8870 - 59482 DEPENDENT VARIABLE CP . 7800 -3.843 MACH .6730 .5340 BETA ( 2) . .4270 SECTION 1 INLEFT WING BOT SURF .3640 ALPHA ( 1) = -3.899

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2387.4

591.26

-.9817 -.8896 -.8500 -2.0858 -2.1088 -1.7774 -1.6357 -.9214 -1.8891 -1.9484 -1.4280 -1.5263 -.7547 -.9959 -1.1494 -1.1369 -.9062 -.4599 -.3885 -.3552 .2990 -.1970 -. 1747 2Y/84

-.6766 -.5500

-.5795 -.4842 -.5584 ++8+·--.2457 -.3005 -. 1637

-.3571 -.4006 -.4059 -. 3071 1775.--.3583 -. 3359 -.1305

-. 3099 -.2572 -.28+Q -.2395 -.2645 -.2050 -.1767 -.239

9+04·-

-. 3522

-.3965

-.6600 .9720 -.8306 -.3166 -.5846 -1.8513 -2.0316 -1.9934 -1.8301 -.6454 -1.4113 -1.6457 -1.5439 -1.7010 -.5975 -.8925 -1.0536 -1.1168 -. 3926 -. 4394 -. 4992 -. 5126 .8670 .7800 .6730 -.8013 5340 -.6316 .4270 -.4506 -.2098 -.2098 -.2027 -.1363 3640 .2930 -. 1036 -. 1**038 -**.0968 487 AB

(XEB\_65)

AMES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT -.5073 -.3857 -.3711 .8870 -.2853 -. 3261 -.539+ -.4902 -.2845 -.3337 -.3675 -.3617 DEPENDENT VARIABLE CP .7800 .6730 -.2733 -.7231 -.4385 -.2272 -.2506 -.2502 .5340 BETA ( 3) = - 1941 -.1726 .4270 -.2501 -.5870 -.3171 SECTION ( INEET WING BOT SURE .35+0 -.3162 -.2852 -.2360 -.2193 A\_PHA : : : = -3.894 .2990 -.0789

1644.-

-.3402 -.3188 -.2852

-.3176

-.2109 -.0934 -.2378 -.0831

-.0112

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-.110+

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-. 2919

-.4286

-.2004

-.0060

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(368.66)	P = 2387.4 RN/L = +.8005																						
AMES 11-073(GA1-8) -140A/B/C/R ORB LEFT WING BOT	92.186 • 0		.9720	7190		5363		2682			3020		3238		90	C55+				į	- Muse		
13 -140A/B/C/R	. 59482	TABLE CP	.8870	-1.9619 -1.7829	9178	·	5 - 1281	3		13264	i	2546	·	3081		•	2+705					1670	
-073(GA1'4B	MACH	DEPENDENT VARIABLE CP	.6730 .7800	658 -2.1145 362 -1.4843	77198590		- 1857 - USOR			0103281		586	<b>3</b> 6		3073	991	-,5142	187		9302732			
AMES 11	= 4.271	<b>4</b> 30	. 5340 .6	1.4846 -1.6658 ·	66867	5123	7367			25833010		20932286	24212595			3166	Š	72194187		32382930		1956	
	BETA ( 4)	SURF	.4270	3742 -	. 410	3582	·		2763	0.00	יעע יעע	. 1816	1968			•			5551	3150		8	2000
	. 932 B	WING BOT	36+0	1080 0916	CE / D		058 <del>*</del>	1346		2304	- 1872	•		7247				-, 3100	•	2166.	Ş	. c	
; 	3 = -3	( 11/EFT	. 2990	.0000	0570		6596		0436										7695		-,4219	2820	
i :	ALPHA ( 1	NO! LOBS	30, va	X/CH - 010 - 020		280. 280. 280. 280.	885. 885. 487.	163	771. 955.	ក់ ភូមិ ភូមិ ភូមិ	ក្សា មួយ មួយ មួយ មួយ មួយ មួយ មួយ មួយ មួយ មួយ	10 N	. 500 800 800 800 800 800 800 800 800 800	. 600 037	053	5 C. C.	150 150 150	9 41 60 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	B 35 6	1 0 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	o o o o o o o o o o o	ት ርጋ ሀ - ርጎ ር ያ ርካ ር	1 - 1

DATE 13 FEB 76

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DATE 10 FEB 76
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PAGE 2741 Z (XEBL66) - 2387.4 AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT 591.26 TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 ) .9720 .9720 O .8870 .59482 .8870 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 8.333 MACH . -.0824 -.1805 -.0776 .6730 -.0013 .5340 BETA ( 4) = -3.917 BETA ( 5) --.1124 .4270 .4270 -.0107 SECTION ( 1) LEFT WING BOT SURF SECTION CITLEFT HING FOT SURF .3640 .3640 -3.902 .2930 -.2076 .2990 ALPHA ( 1) = ALPHA ( 1) = X/CH 950 .953 .955 .955 2Y / 64

-.5798 -.4309 -.2683 -. 25.25. .. ... -.1531 -1.1015 -1.3693 -1.7896 -1.7308 -.2076 -.90%5 -1.0361 -1.1999 -1.5241 -.2790 -.6455 -.7732 -.805<del>2</del> -.2909 -.3366 -.3706 -.3972 -.2228 -.2720 -.2935 -.2995 -.2316 -. 1913 -. 2077 -.2463 -.5333 -.4226 -.2288 -. 1645 -.1891 -.2657 -.2162 -.2000 .0080 0400 0191 .0146 -.0599 -.1746 -. 1628 -. 0192 . 0000 -.0301 -.0308 -. 0206 

-.2897 -.3029

-. 3428

.7800 .6730

-.2115

-.2843

.5340

-.5005 -.4447

DATE 10 FEB 76

(XEBL66)

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AMES 11-073(0A148) -148A/B/C/R ORB LEFT WING BOT
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Z
                                                                                                                               - 2386.4
                                                                                                                               592.43
                                                                                                                                                                                      -,2732
                                                                                                                                                    .9720
                   .9720
                                                                                                                                                                                                                     -.2102
                                                                     -.2589
                                                                                                                                                                        -.3150
                                                                                                                                                                                                                                                        -. 2227
                                                                                                                                 ø
                                                                                                                                                                   -.9012
-.9322
                   .8870
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                                                                                                                                                                                                                -.282.7
                                                                                    -.1391
                                                                                                                                                                                  -.5811
                                                                                                                                                                                                                                              -.2351
                                                                                                                                          DEPENDENT VARIABLE CP
         DEPENDENT VARIABLE CP
                                                                                                                                                                                                                -.2702
                                                                                                                                                                                                                                             -.1805 -.2156 -.2271
                                                                                                                                                    .7800
                   .7800
                                                                                                                                                                   -1.0243 -1.0441
-.7988 -.8993
                                                                                                                                                                                  -.5425 -.5891
                                                            -.2703
                                                                                                  -.0639 -.1216 -.0633
                                                                                                                                -7.886 MACH
                                                                                                                                                    .6730
                   .6730
                                                                                                                                                                                                                 -.2687
                                                           -.3098 -.2595
                                                                                                                      .0200
                                  -. 3996
8.333
                                                                                                                                                                   -. 9870
-. 8955
                                                                                                                                                                                  -.5393
                                                                                                                                                    .5340
                    .5340
                                  -.7114
                                                                                                                                                                                                                 -. 13<u>4</u>
                                                                                                                                                                                            -. 415F
                                                                                    ..171
BETA (5) =
                                                                                                                                 BETA ( 1) =
                  .4270
                                                                -.3102
                                                                                                       -.0858
                                                                                                                                                                   -.1869
-.3174
-.3988
                                                                                         -. 1950
                                                                                                                                                     14270
                                                                                                                                                                                                                               -,2192
                                                                                                                                                                                                                                                   -. 1845
                                                                                                                       .0056
                                                                                                                                                                                                  -.3138
                                            -.5208
                                                                                                                                          SECTION ( 1) LEFT WING BOT SURF
         SECTION ( 1) LEFT WING BOT SURF
                    .3640
                                                                                                            -. 1212
                                                                                                                                                                   -.0533
-.0845
-.0822
                                                                                                                                                                                                      -.0488
                                                                                                                                                     3640
                                                                                              -.2153
                                                                                                                                                                                                                                         -.2090
                                                                                                                                                                                                                           -.1336
                                                       -.3972
                                                                                -.2966
                                       -.3011
                                                                                                                                 .066
-3.917
                                                                                                                                                                                                           -.0619
                                                                                                                  -.2402
                                                                                    -.2967
                                                                                                                                                     .2990
                                                                                                                                                                                  -.0506
                    .2990
                                                                                                                                                                    -.0124
.0000
                                                                           -.4300
                                                                                                                                                                                                                                    -.0557
                                                  -.2684
ALPHA ( 1) =
                                                                                                                                                               ALPHA ( 2)
                                   27/BH
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PAGE 2743

TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )

DATE 10 FEB 75

-															FN/L . 4.8075	,				
(XEBL66)															• 2386.4 R					
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT															= 592.43 P					
./R ORB 1			.9720	970		5,55					2165				ø		.9720	2642	+.23E7	
140A/B/C		LE CP	.8870	1983	2834							1573		.0238	. 59550	LE CP	.8870	7612 8208	5277	
0A14B) -		T VARIAB	.7800			2828				2697			0605		• 5	IT VARTAE	.7800	8873 7602	5164	
3 11-0730	-7.886	DEPENDENT VARIABLE CP	.6730	1620	2238		2979	4110		3307			2692	0509	-3.862 MACH	DEPENDENT VARIABLE CP	.6730	8778	4646	
AMES			0456.	1524	2050		2589	6716		3378		2086	0756				.5340	7754	4428	3491
	BETA ( 1)	SURF	.4270	1221	2392			255	5876	2971		176 <del>4</del>		0657	BETA (2)	SURF	.4270	0520 1610	4	
	.056 BE		.3640			1976			283K	3859		2663	1540	0453	.075 BE	WING BOT	.3640	.0037 0012		
	5	1) LEFT WING BOT	. 2990						2442		¥008	2000		0578	9.	I)LEFT H	.2990	.0000	0176	
	ALPHA ( 2)	SECTION (	2Y/BW	X/CW 004.	200 200 200 200 200 200 200 200 200 200	.637		087. 87.	. 838 . 838 . 834	. 853 . 850 . 857	.862 835	9.000 0.000 0.000	916.	600.1 1.000	ALPHA ( 2)	SECTION (	24/BH	x/Cu .010.	090 090	080

## TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )

AMES 11-073(0A148) -!40A/B/C/R ORB LEFT HING BOT

		.9720		1926	!	2057	2616				1948			
	XE CP	.6870		0 0 0	2184	1905	em		469¢			1433		.0248
	DEPENDENT VARIABLE CP	.7800		·. 6440	2092			2815	5320		2720		0698	
-3.862	DEPENDEN	.6730		· . 483	1984	1588	21 th		2954	4150	3170		- 2655	0112
		.5346		660/	1655	1500	2016		2704	6993	3339	2061	0751	
BETA (2)	SURF	.4270	2450	1855	1465	1170	2258			2569	3017	. 1836	0706	.0139
.075 84	DILEFT WING BOT	.3640	4410.	0738	1615	12%2		1923		2900	3976	2726	1807	
	I)LEFT I	. 2990	0315	i C	BCSU .						2503	4111		0923
ALPHA ( 2)	SECTION (	2Y/BW	X/CH 080. 080.	761. 761. 771.	25. 25. 25. 27.	. 330 . 330 . 504 . 504	503. 503. 503. 503.	.63 .63 .63	207. 25.00 2027.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8	8.8 8.78 8.00 8.00 8.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	. 365 1 . 000

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PAGE 2745	(XE8L68)	P = 2386.4 RN/L = 4.8075																					
PRESSURE DATA - OA148 ( AMES 11-073-1 )	AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT	592.43		.9720	 8543		16131		1939		1914		2480		2010					- 1455			
I CAMES	140A/B/C	. 59550	RE CP	.8870	6934	4741		2576		2120		1845		2761			4587				1	1310	
1 - 0A14E	:0A14B) -		DEPENDENT VARIABLE CP	.7860	7645	4548		2205		2082					2787		5206		i	1.6/04			
SURE DATA	3 11-073	.175 MACH	DEPCNDEN	.6730	7116 5648	3%69		2174		1835		1483	2136			2957		4117	,	: ne :-			
	AME	a		.5340	5799	3616	2932	1967		1473		1425	1973			2709		7202	į	551g	:	2070	
TABULATED		BETA (3)	SURF	.4270	0248	1600	1829		1326		1267	- 1076	•	1955			2662		5807	3088		- 196t	
		.076 86	WING BOT	.3640	.0537	. 0623		.0618	0143	1274		1040		•	1823			2966	3993		2855	0	0051
3 76		,	13LEFT 4	. 2990	. 0112 . 0000	0064		0151		0041									2528		4179	2630	
DATE 10 FEB		ALPHA ( 2)	SECTION (	2Y/8W	X/CW .010 .020	56.	500. 080. 180.	. 150 150		229. 246. 250.	475.	390 003 003				0,70 007.	027. 037.	277. 198	838. 838. 938. 938. 938.	50.00 50.00 50.00		ດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີ	л л

DATE 10 FEB 76

## AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

					- 4.8075																
					RW/L																
					■ 2386.4																
					<b>a</b> .																
			·		= 592.43																
		.9720			ø		.9720	1953	8601	9961		1929			1796	į			2696		
	BLE CP	.8870		. 0252	. 59550	BLE CP	.8870	5035	3908			K28		1986		1776		2639		1744	
	DEPENDENT VARIABLE CP	.7800	0676		ACH .	DEPENDENT VARIABLE CP	.7800	5465 4947	3694		•	- 191. -		1828					. 2698	£ 18	? •
.175	DEPENDE	.6730	2167	.0120	4.250 MACH	DEPENDE	.6730	5312	3140			1838		1668		1436	2075		Š	999	
3) =		.53+0	0762				.5340	4058 4159	2760	2379	į	16±2		1300		1297	1908			2733	
BETA (3	SURF	.4270	0786	.0129	BETA ( 4)	SURF	.4270	. 1415 0730	0633	1190			1187	100	3	1030	2094				2649
9 920.	WING BOT	.36+0	1051		.073 B	WING BOT	.3640	.0563 .0563	92/0.		.080		. 0831	1016	0976			1834			
	DLEFT	. 2990	;	1435	•	THEFT	.2990	0278	0161		0151		7200								
ALPHA (2)	SECTION ( 1) LEFT WING BOT	2Y/BW	X/CH .950 .953	1.000	ALPHA ( 2)	SECTION ( 1)LEFT WING BOT SURF	2Y/BW	X/CW .010 .020	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	280 280 180	985	150	. 153	i B B B B	3.50 3.90 3.90	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	. 5503 . 5503 . 5503	.600	.653 .670	57. 25.	.760

DATE 10 FEB 76

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(XEBL.66)
             AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT
                                                                                                                                                                                                592.43
TABULATED PRESSURE DATA - DAI+8 ( AMES 11-073-1 )
                                                      .9720
                                                                                                                   -. 1191
                                                                                                                                                                                                                                                  -.1753
                                                                                                                                                                                                                                                                     -.2034
                                                                                                                                                                                                                                                                                                                                                       -.1711
                                                     .8870
                                                                                                                                                                                                                         .8870
                                      DEPENDENT VARIABLE CP
                                                                                                                                                                                                . 59550
                                                                                                                                                                                                                                                                                                  -.1314 -.1493 -.1678 -.2112
                                                                                                                                                                                                           DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                                                                        -.1151 -.1486 -.1642 -.1882
                                                    .7800
                                                                                                     -.3249 -.2813 -.2829
                                                                                                                                                                                                                                           -.3954
-.3695
                                                                                                                                                                                                                                                              -.2863
                                                                                                                                                        -.0751 -.1606 -.0612
                                                                                                                                                                                                                        .7800
                                                                                                                                                                                             8.308 MACH
                                                   .6730
                                                                                                                                                                                                                       .6730
                                                                      -.4087
                                                                                                                                                                                                                                           -. 3477
-. 3009
                                                                                                                                                                                 .0240
                                                                                                                                                                                                                                                             -.2355
                                                   .5340
                                                                     -.7267
                                                                                                                                     -. 1973
                                                                                                                                                                                                                                          -.2879
-.2524
                                                                                                                                                                                                                       .5340
                                                                                                                                                                                                                                                             -.1758
                                                                                                                                                                                                                                                                         -.1674
                         BETA ( 4) =
                                                                                                                                                                                            BETA ( 5) =
                                                                                                          -.3115
                                                                                                                                                             -.0903
                                                  .4270
                                                                                                                                           -.2027
                                                                                                                                                                                                                                         . 1856
. 1431
. 0192
                                                                                                                                                                                .0120
                                                                                  -.5552
                                                                                                                                                                                                                       .4270
                                                                                                                                                                                                                                                                                                                                             -. 0932
                                                                                                                                                                                                                                                                                -. 0650
                                   SECTION ( 1) LEFT WING BOT SURF
                                                                                                                                                                                                        SECTION ( 1) LEFT WING BOT SURF
                                                  .3640
                                                                                                                                                -.2049
                                                                                                                                                                   -.1178
                                                                                                                                                                                                                      3840
                                                                           -.2953
                                                                                              -. 3864
                                                                                                                                                                                                                                        -.0219
.0144
.0412
                                                                                                                                                                                                                                                                                     .0829
                                                                                                                             -.2930
                                                                                                                                                                                                                                                                                                                                -.0759
                                                                                                                                                                                                                                                                                                                                                          -.0828
                        .073
                                                                                                                                                                                             .069
                                                  .2990
                                                                                                                                                                         -.2093
                                                                                                                                                                                                                      . 2990
                                                                                                                       +904.-
                                                                                                                                    -.2669
                                                                                                                                                                                                                                        -.1100
                                                                                        <u>.</u>
                                                                                                                                                                                                                                                           -.0398
                                                                                                                                                                                                                                                                                                                          .0005
                                                                                                                                                                                                                                                                                          -.0331
                       ALPHA ( 2) =
                                                                                                                                                                                            ALPHA ( 2) =
                                                             2Y/BW
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8.308

BETA ( 5) =

.069

ALPHA ( 2) =

													•				
													Z.				
													- 2386.7				
													٩			ş	
													. 591.36				
	.9720		2108		. r				0859				o		.9720	.0072	0307
BLE CP	.8870	1718	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 7		4295				1102		. O487	.59494	LE GP	.8870	.1185	0653
DEPENDENT VARIABLE CP	.7800			2812		4957		2733			0525			DEPENDENT VARIABLE GR	.7800	.0852	0835
DEPENDE	.6730	1353	1975		2783	2000	2 8 7 1	2480			-1101	.0357	-7.899 MACH	DEPENDEN	.6730	0387	1027
	.5340	1227	1831		2706	7107	SET .	3102		1829	0648		•		.5340	0577	1257
SURF	.4270	1922	2519			2667	5219	3133		2054	1.0941	.0118	BETA ( 1)	SURF	.4270	.3095 -2194 -3495	
1) LEFT WING BOT	3640			1748			2892	3900	- 2967	i i	1229		4.021 BB	HING BOT	.3640	1455	
	. 2990						1 0 0 0	9	4216	2806	9	C	· ·	1)LEFT	.2990	.0000	. 0582
SECTION .	2Y/BW	W)/X W07	25.55 5.55 5.55 5.55 5.55 5.55 5.55 5.5	.637 .650		097.	. 798 . 808 . 874	. 839. 678. 728.	. 865 . 865 . 879	006. 006.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.000	ALPHA ( 3)	SECTION ( 1) LEFT HING BOT	27/8W	X/CH 010. 020.	080 680 080

4.8049

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JATE 10 FEB 76		TABULA	TEO PRES!	TABULATED PRESSURE DATA		3 ( AMES	- OA148 ( AMES 11-073-1 )	
			AME	AMES 11-073(0A148)		-140A/B/(	-140A/B/C/R ORB LEFT WING BOT	
ALPHA (3) = 4	4.021 8	BETA (1)	#	-7.899				
SECTION ( 1) LEFT	HING BOT	SURF		DEPENDEN	DEPENDENT VARIABLE	E CP		
24/8W .2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	
X/CW . 081 . 086	7151.	0385						
. 150 . 150 . 150	_		0572	0496	0407	0617	,	
	.0746	0+09					2031.	
. 229 . 246 . 250	0391		- 0128	0800	-,0582	0798		
.274 -274		0316	9				1030	
50000000000000000000000000000000000000	0285	9000	0603	0668		1024		
2003 2003 2003 2003			1372	1539			2030	
. 56 <b>5</b> . 600		2735				2432		
.637 .650	1375				243¢		CGOC	
. 575 . 700 . 201			2381	2699			3303.	
.750					5456	4574		
. 760 277. 798	2659	2306	6808	3990				
.809		5755						
.8346637 .839 .850	3671		-,3285	3142	2869			
.857 638		2797					1752	
.865 <b>3833</b>	1 Sylvan							
.9001893	)	900	2068			1753		
ក្នុង	1548	CE01		2603	1120			
ភ ២ មា ភ ២ មា ភ ២ មា	-,0591	0478		•				
355 - 0550		4050		.0113		.0513		
700.		)))		1		1,),,		

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	.' K																					
(XEBL66)	- 2386.7																					
	۵.																					
AMES 11-073(0A148) -140A/B/C/R ORB LEFT MING BOT	591.36																					
1/R ORB	o		.9720	0573	0801		1344			1327		2173		2860					1638			
-140A/B/C	. 59494	BLE CP	.8870	.0160	0351		0637		0830		1092		2467			4708					1560	
04148)	MACH	IT VARIA	.7800	.1311	0462		0249		0640					2486		5369			2965			
3 11-0730	-3.864 MA	DEPENDENT VARIABLE CP	.6730	.0304	0585		0350		0539		0636	1572			2720		4024		3053			
AMES	•		.5340	.0570	0556	0588	0319		0296		0587	1400			5445		7062		3305		2107	
	BETA ( 2)	SURF	.4270	. 3263 . 8595 878	9	.0061		0199		0232	0292	80 10 10 10 10 10 10 10 10 10 10 10 10 10	}			7761		5810	2985		1869	
		ING BOT	.3540	.0742 .1172	2	. 1606		.1122	0168	9159			1270				2699	3816		2661	Ė	£
	# 4.024	IILEFT \$	. 2990	.0192 .0000	.0425		. 0403		. 0570									2281		3979	2250	
	ALPHA ( 3)	SECTION ( 1) LEFT MING BOT SURF	2Y/8h	X/CW . 010 . 020		180 180 180	. 150 150 181	. 163	ው <del>ው</del> ይያ	7 M. W.	9 0 N 1 S S S S S S S S S S S S S S S S S S S	. 500 500 600 600 600	100 kg	659	5 K	527.	867.	838. • 58. •	. 950 . 957 . 958	258. 258.	ວ ເກັດ ເລີຍ ເລີຍ ເລືອນ เລືອນ เลือ เลือ เลือ เลือ เลือ เลือ เลือ เลือ	a ñ

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DATE 10 FEB	3.76		TABULATED	u.	SURE DAT.	4 - 0A146	B ( AMES	PRESSURE DATA - DAIMB ( AMES 11-073-1 )	•				PACE 2751
				AME	S 11-073	(0A148) ·	-140A/B/C	:/R ORB L	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT		(XEBL66)	_	
ALPHA (3)	r n	4.024 BE	BETA (2)		-3.864								
SECTION (	INCEFT	INLEFT WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
2Y/84	.2990	.3640	.4270	.5340	.6730	. 7800	.8870	.9720					
X/CW .950 .953		0823	0.00	÷.0696	2415	0702							
1.000	¥760.−		.0293		.0415		. 0548						,
ALPHA ( 3)	<i>.</i>	4.022 BE	BETA (3)		.186 M	MACH	£6±6£.	a	<b>591.38</b>	۵.	- 2385.7	7	6708·7
SECTION ( 1) LEFT WING BOT SURF	11CEFT	MING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
2Y/84	.2990	.3640	.4270	53+0	.6730	.7800	.8870	.9720					
X/CW .010 .020	0753	0.49. 0.94	.2996 .2762	.0038	.0783 .0322	. 1613	. 1692	1215					
<b>9</b> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.0039	9,80.	. 1 502	0084	0315	0299	0394	1221					
680. 180.			. 0365	0293									
960 100:	.0158	?		0195	0328	0259	0733	ţ					
. 153 . 163 		.1270	.001 <i>2</i>					<u>.</u>					
655 845 845 845 845 845 845 845 845 845 8	64.79	.0010	718	0253	0493	0637	0685						
16. 60 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		0099	9000	÷.060¥	0696		1212	1587					
. ស. ស. ស. ស. ស. ស. ស. ស. ស. ស.			2391	1413	1559		!	2278					
6589. 589.		1341				2481	2513						
ក់ ស ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ				2 <sup>+</sup> 35	2687			2850					
0.057.			2479			5319	1.4843						

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(XEB\_66)

## TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

BETA ( 3)

Ž 2386.7 591.36 -. 1453 .9720 .8870 -.1611 .8870 .59±9± DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 7800 .7800 7+90.- 6581.- 1170.--.30:1 4.244 MACH .6730 .6730 .0500 -.2890 -. 3996 .5340 -.7286 -. 3254 -.2032 4.025 BETA ( 4) # -.3116 -.0773 -. 1966 .4270 .0300 -. 5540 SECTION ! DLEFT WING BOT SURF SECTION ( INCEPT WING BOT SURF .3640 -.1022 -.2757 -.2797 -. 1924 1.38+t 4.022 -.1577 .2930 -.4051 -.2440 -.2329 ALPHA ( 3) . 2Y/BH

6+96.4

-.2185 -.2409 . 1963 . 0889 .0016 -.0063 -.0089 -.0163 -.0655 -.087¥ +950·- 0330 -· 1610·-.0.05 . 2096 . 0925 .0092 . 1358 . 0882 . 1850 .034t .0053 -.0087 .0650 .2334 .2551 .1614 -.2093 -.0518 -.0339 . 1 181 . 1383 .0103 -.0178 -.2110 .0000. 5750. -.0515

5340

. 4270

3640

2990

(XEBL66)

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## TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

AMES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT

														REAL					
														- 2386.7					
														•					
														• 591.36					
		.9720	1	2423		2927			•	13//				σ		.9720	3715	2000	
	BLE CP	.8870	1197				4585				1562		.0409	.59494	RE CP	.8870	. 1820 . 0929	6110.	
	DEPENDENT VARIABLE CP	.7800			2463		 88 88		3079			0731		MACH .	DEPENDENT VARIABLE CP	.7800	.2098 .1220	.0230	
4.24	DEPENDE	.6730	0655	1551		2611	3815		2677			1374	.0488	8.29+ M	DEPENDEN	.6730	. i 708 . i 235	.0548	
		.5340	0614	1400		7428	7150		3164		1910	0054				.5340	. 1422	.0750	.0351
BETA ( 4)	SURF	.4270	0325	<del>24</del> 00			2498	5326	3070		2047	0871	.0285	BETA ( S)	SURF	.4270	.1912		
4.025 BR	HING BOT	.3640			1284			2707	3728	1386		1181		_	DLEFT HING BOT	.3640	3394	6611.	
<i>;</i>	DIFFE	.2990						1986	3	4047	2632	!	2266 2566	• 4.031	DLEFT A	.2990	.3757	1304	
ALPHA (3)	SECTION ( 1)LEFT WING BOT SURF	2Y/BH	40.4. 60.4.	. 550 . 550 . 565	.637 .633 .639	675. 007. 257.	067. 277.	808. 808.	939. 939. 728.	58. 58. 58. E	006. 008. 008.	2.00 0.00 8.00 8.00 8.00 8.00 8.00 8.00	. 965 1. 000	ALPHA (3)	SECTION C	24./BH	X/CH .010.	050	080

The second of th

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT
                                          .9720
                                                                                                                                    -.2270
                                                                                                                                                             -.2704
                                                                                                                                                                                                                                                                                 -. 1260
                                        .8870
                                                                              .0104 -.0111 -.0657
                                                                                                                                                                                -.2435
                                                                                                                    -.0120 -.0340 -.0491 -.0967
                          DEPENDENT VARIABLE CP
                                                                                                                                               -. 1331
                                                                                                                                                                                                                       -.463t
                                                                                                                                                                                                                                                                                                                                                .0387
                                        . 7800
                                                                                                                                                                                           -.2453
                                                                                                                                                                                                                      -.4953
                                                                                                                                                                                                                                                                  -.3017 -.2330 -.2951
                                                                                                                                                                                                                                                                                                                       -.0718
                                        .6730
                                                                                                                                               -.0699
                                                                                                                                                                   -.1510
                                                                                                                                                                                                                                                                                                                     -.0700 -.1115
                                                                                                                                                                                                         -.2590
                                                                                                                                                                                                                                  -.3668
                                                                                                                                                                                                                                                                                                                                               .0452
             8.294
                                                                             .0029
                                       .5340
                                                                                                                                           -.0241
                                                                                                                                                                  -.1277
                                                                                                                                                                                                             -.2377
                                                                                                                                                                                                                                  -.6957
                                                                                                                                                                                                                                                                                                  -.1890
           BETA (5) =
                                                                                                                         6100.
                                       .4270
                                                         .0882
                                                                                                                                                                                                                                                                                                       -.2048
                                                                                                .0362
                                                                                                                                                                       -.2928
                                                                                                                                                                                                                                                                                                                           -.0856
                                                                                                                                                                                                                           -.2523
                                                                                                                                                                                                                                                                        -.3050
                                                                                                                                                                                                                                              -.5031
                                                                                                                                                                                                                                                                                                                                               .010
40
                       SECTION ( 1) LEFT WING BOT SURF
                                      3640
                                                               .0599
                                                                                         .1310
                                                                                                             .0168
                                                                                                                                       .0025
                                                                                                                                                                                                                                                                                                              1.2177
                                                                                                                                                                                                                                        -.2544
                                                                                                                                                                                                                                                                                                                                 <u>.</u>
                                                                                                                                                                                                                                                                                           -. 289
            4.031
                                      . 2390
                                                                                                      9100.
                                                                      -.0701
                                                                                                                                                                                                                                                                                    -.4066
                                                                                                                                                                                                                                                     -.2358
                                                                                                                                                                                                                                                                                                 -.2710
                                                                                                                                                                                                                                                                                                                                        - 25ta
          ALPHA ( 3) =
                                    2Y/Bu
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TABULATED PRESSURE DATA - OAIYB ( AMES 11-073-1 )	-140A/B/C/R ORB LEFT WING BOT (XER RE)	a 1		0576. 0586	•		0872	158	1273		893	+260	ž	÷.1964	51		-,2833						2128	40	,
	-	ā																							
		٥																							
	WING BOT	590.08																							
÷	LEFT																								
11-073-	C/R ORB	o		.9720	. : 644		0872		1273			0924		7. 1964			.2833						.2128		
18 ( AMES	-140A/B/	. 59424	BLE CP	.8870	.5280	.2710		.1158			. 0569		0154	·	1951		•	4128					•	-, 1946	
TA - 041	AMES 11-073(0A148)	MACH	DEPENDENT VARIABLE CP	. 7800	. 5375 . 3978	.2610		. 1602			. 0832					7.1925	_	4905				2774			
SSURE DA	ES 11-07	-7.888	DEPEND	.6730	.4613	.2433		.1408			.0879		.0348	0783			2146		3551			2795			
ATED PRE	AM			.5340	. 3075	.2034	. 1587	.1273			.0984		.0341	0669			1931		÷.6504			- 3040		1885	
TABUL		BETA ( 1)	NG BOT SURF	.4270	.+106	n 190 ·	. 1864		. 1205		.0931		.0601	- 2982				- 1 g-s		5422		2576			1960
		. 869	MING BO	.3640	0425 -1122		.2531		. 2393	.1039		3770.			0738				1070	ف	+9+E -	·	2763	y	1456
FEB 76			C INLEFT	.2330	0182	. 0985	į	2	1951	•											<del>.</del>		3502	. 1563	•
DATE 10 F	;	ALPHA : 4)	SECTION	2Y / BW	#0.00 0.00 0.00 0.00	050. 680.	080. 180. 180. 180.	150	. 163 . 177	ָּאָי וְיִּ טְּיִים בּי	575. 475.	385	4. C. T.	. 55.55 1.55.5	.637	059. 079.	85. 85.		1867.				•	1 000 000 000 000 000 000 000 000 000 0	616.

PAGE 2755

(XEBL66)

					P = 2387.2 RN/L = 4.7971	ı														
		6			\$ 590.08			_		_										
		.9720			ø		.9720	3498	1	2318		1797			1495	2396		600	June	
•	RE CP	.8870		. 0243	.59424	ונב ים בי	.8870	.4650	.2628			. 1023		.0373	6750		2151			4318
	DEPENDENT VARIABLE CP	.7800	1692		MACH	T VARIAE	.7800	. 3985 . 3992	.2668			. 1542		7970.	·		•	2009		. 4905 
-7.888	DEPENDEN	.6730	2205	.0520	-3.859 MA	DEPENDENT VARIABLE CP	.6730	.3789	.2513			. 1556		. 0892	.0285	0855		•	2214	• •
Ħ		.5340	0575				.5340	.4529	.2309	8471.		. 1292		.1019	.0393				1975	
BETA ( 1)	SURF	.4270	0495	.0613	BETA ( 2)	SURF	.4270	.3795	5010	ac Cc			. 1290	. 1961		.0588	2709		•	2060
7.869 BI	I) LEFT WING BOT SURF	3640	0540			ING BOT	.3640	2794	5000.		.2125	Etta.		-: -: -: -:	.0860		. 6890			•
	DLEFT 1	.2990			<b>a</b> 7.986	DILEFT WING BOT	.2990	1640	.0335		.0510		.1103				•			
ALPHA ( 4)	SECTION (	2Y/84	X/CH . 950 . 953 . 953	000.1	ALPHA ( 4)	SECTION (	27/BH		2 C C	. 080. 080.	85. 85.	157	771. 255.	55 4 1	845. 390 604.	504. 808.	600 678 678	3. 3.0.0 5.0.0	. 700 201.	.760

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Z (XEBL.66) **= 2387.2** ۵. AMES 11-073(04148) -1404/B/C/R ORB LEFT MING BOT 590.06 .9720 .9720 -.3685 -.5351 -.2230 -.2090 .8870 .8870 .3936 .0745 .0135 -.2037 .0121 . 59424 いかなり DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 -.3060 -.2746 -.2963 .7800 .4349 -.0675 -.2025 -.0755 .0701 . 2534 . 1428 .178 MACH .6730 .6730 -.3519 .0807 .0696 .4180 9189 致. -3.859 -.6780 .5340 -.1980 .5340 433t 3456 .1315 2465 . 1865 1760. BETA ( 2) = BETA ( 3) = -.2814 -.0637 -.1795 .4270 -.5364 .0481 .4270 . 2891 . 2980 . 2980 .2090 .1032 .1400 SECTION ( 1) LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF .3640 -.2347 -.0776 -.3492 -.5191 -.1870 -.0969 -.2480 -. 1684 3640 .1507 2378 . 1223 7.986 7.991 .2990 -. 1909 -.1070 -.3630 -.3547 .2990 -. 2024 -.0139 .0059 .0861 ALPHA ( 4) = ALPHA ( 4) = 2Y/BH 27/BM

.0902

DATE 10 FEB 75

(XEBL66)

```
AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT
                        . 178
                       BETA ( 3) =
                       ALPHA ( 4) = 7.991
```

													590.06 P = 2387.2 RN/L = 4.7971					
	.9720	2901		ļ	3304				2352				ø		.9720	7892		5392
BLE CP	.8870	0507	1500	0633.	;	BL++				1997		.0123	-594gs	LE CP	.8870	.3021	.2210	•
IT VARIA	.7800			3052		4973		3081			+-80·-			VAR1AB	.7800	.3456	. 2442	
DEPENDENT VARIABLE CP	.6730	. 0201	0869		2200	3436		2712			- 1599	.0613	4.237 MACH	DEPENDENT VARIABLE CP	.6730	.3538	.2568	
	.5340	. 0352	0:385		2042	6863		3011		1956	0741		•		.53+0	.3267	.2373	. 1867
SURF	.4270	.0570	2516			2118	1416	+.2874		1943	0800	-0402	BETA ( 4)	SURF	.4270	0419 1674	1000	
I)LEFT WING BOT SURF	.3640			0632	•	t C		1/ <del>\$</del> 5	<b>1</b>	\$763.1				DLEFT WING BOT SURF	3640	6697		
DILEFT	.2990						2045		3695	2149		16/11-	≈ 7.992	DLEFT W	.2990	5455 .0000	1490	
SECTION (	2Y/8W	X/CN .400 .402	. 565 . 600	033. 07.	25. 25. 25. 25. 25.	750		. 050 070 770		000 000 000 000 000 000 000 000 000 00	្ត ភូមិ ភូមិ ភូមិ ភូមិ	1.000	ALPHA ( 4)	SECT: ON (	277BW	X/CH 010. 020.	050	080

(XEBL66)

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TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )	
DATE 10 FEB 76	

AMES 11-073(DA148) -14QA/B/C/R ORB LEFT WING BOT	
AMES 11-07310A	4.237
	BETA (4) =
	BET
	7.992
	ALPHA ( 4) .

	.9720		2926 -	į	- 2868	-, 3354		3575				2376		
BLE CP	.8870	.0584		0011	0726		2299		4559			1964		.0081
DEPENDENT VARIABLE	.7800	. 1423		.0616					4720		3049		0936	
DEPENDE	.6730	. 1389		.0760	.0159	0910		2121	Š	<b>7</b> 697.	2533		1563	5,10.
	.5340	. 1224		.0870	. 0232	0755		2061		9008	2916	1931	0720	
SURF	.4270	.1927	.1311	.0891	.0524	2761			2202	4828	2870	1994	0892	.0378
THEFT WING BOT	.3640	. 0698	2079	3	.0836		0721			245	3482	2663	1995	
	. 2990	0622	.0410							6		3779	2726	י השכם
SECTION	27/BW	×/CM .081 .094 .150	. 163 . 177 . 229 . 849	000. 4759. 474.		. 558. 588. 588.	. 637 637	676. 687.	027. 037.	609.	28.9 28.9 25.8 25.8 25.8 25.8 25.8 25.8 25.8 25.8	86. 86. 86. 86. 86. 86. 86. 86.	ល់ លុំ លុំ ល្អ ស្រួសូសូ ល្អ ស្រួសូសូសូ	10000

2Y/BH

= 4.7971

Z

(XEBL66) 2387.2

PAGE 2760

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-. 3025

-.2091

-.2897

7.2909

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-.2065

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-. 3947

-.3683

-.4662 -.4505

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-.2873

-.0718

-.2114

-.2258

-.2126

-.6755

-.4601

-. 3501

-.2183

-.2416

TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 ) DATE 10 FEB 76

ING BOT						590.06 P = 2387.2 FN/L • 4.7978																
AMES 11-073(04148) -140A/B/C/R ORB LEFT AING BOT			.9720			•		.9720	6897		3526		į	•• 180 <del>4</del>		1040		2132			eg/0	
140A/B/C/	i !	E CP	.8870		.0246	.59452	я. С	.8870	.5380	.4623			.2608	ř	.1714	·	.0675	ř	1559		i	
OA148) -		DEPENDENT VARIABLE CP	.7800	0866		MACH	DEPENDENT VARIABLE CP	.7800	.5325 .5406	. +331			.3241		.2207				•	1277		
5 11-073(	8.293	DEPENDEN	.6730	1145	.0211	-7.846 MA	DEPENDEN	.6730	5863	.4756			.3182		.2274		. 1352	.0066		•	1414	
AME	a		.5340	0849		•		5340	.5968	0044.	.3641		.2875		. 2284		.1397	.0210				- 1557
	BETA (5)	SURF	.4270	0921	.0399	BETA ( 1)	SURF	.4270	. 3868	, .	.3634			.2726		19	. 1601		3171			
	7.989 BE	WING BOT	.3640	1230			<b>BOT</b>	.3640	6237	. 0633		. 2643		.3619	.2401	ij	. 1933			n 2		
	= 7.9	1)LEFT 1	. 2990		/5,5	= 12.002	DILEFT WING	. 2990	3038	.0610		.1187		9	3061.							
	ALPHA (+)	SECTION :	2Y/84	X/CH . 950 . 953 . 953	1.000	ALPHA (5)	SECTION :	2Y/BW	X/CH .010	<b>9</b> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	693. 080.	980.	150	163	ກູ້. ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເຊື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ ເລື້ອນ เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลื้อน เลี้ เลี้ เลี้ เลี้ เลี้ เลี้ เลี้ เลี้	i i i i	000±.		500 500 500 500 500 500 500 500 500 50	 	0 tr	

TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	•	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT
DATE 10 FEB 76		

BETA ( 1) # -7.846

ALPHA ( 5) + 12.002

					.06 P = 2387.2 RN/L = 4.7978								
					<b>= 590.06</b>			•••					
	.9720	983. •			o		.9720	9410	- Ruse	3	2533		1929
LE CP	.8870		9 7.	0833	.59422	LE CP	.8870	.3373	.417E	38		.1363	
IT VARIAE	.7800	2748	0971		· F	DEPENDENT VARIABLE CP	. 7800	.4045 .5122	1944.	1602		.2010	
DEPENDENT VARIABLE CP	.6730	293	1773	007 <sup>4</sup>	-3.839 MACH	DEPENDEN	.6730	.5077	.4613	,		.2129	
	.5340	5756	1850		u		.5340	.5046 8118	396h.			.2180	
SURF	.4270	4689	1605	.0 0	BETA ( 2)	SURF	.4270	0690 -:2497		.3420	.2621	.2071	
AING BOT	.3640	1837	2039			DILEFT WING BOT SURF	3640	8496 3238 845		. 1863	.3358	.2300	. 1875
11LEFT WING BOT SURF	.2990	1607	3178	0618	= 12.020		.2990	5333 .0000	0513	<b>58</b> 70.		. 1527	
SECTION (	24/BH	X/CH - 775 - 776 - 808 - 834 - 836 -		ន្តទីក 1000 1	ALPHA ( 5)	SECTION (	2Y . BW	2000 2000 2000 2000 2000 2000 2000 200	, E, 6	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	163	ល់មួយ មិន្តិ	55 C68 .

(XEBLES)

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AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT
                                                       BETA ( 2)
                                                        12.020
DATE 10 FEB 76
                                                        A. PHA ( 5) =
```

PAY. 2387.2 530.06 .9720 -. 2929 -.3+06 .9720 .3453 -1.1407 .8870 -.1771 .0377 -. 0692 .8870 -. 39±8 .59422 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP -. 1520 -.4430 .7800 .7800 -.2978 . 454 . -.1782 -.1129 MACH .6730 . 1209 -.0055 .6730 -.0063 P. 2479 .3968 .186 -.2785 .0102 .1308 -.0736 -.6214 .5340 -. 1511 .395¢ 5340 -. 1909 BETA ( 3) -.3066 .0757 .3238 .4270 .1517 -.4570 -.2550 -.274B -.1804 -.0704 .0407 .4270 SECTION ( 1) LEFT WING BOT SURF SECTION : INLEFT WING BOT SURF -.7671 -1.0833 .0000 -.5094 -.3539 .3540 -.1582 -. 3034 -. 0822 . 36+3 -.2180 11.983 .2990 . 2990 -. 1685 -. 3260 -. 1439 -.1220 ALPHA ( 5) = 27/BH

-.7146

3496

2989

.4197

.3965

-. 1672

.3290

		3276.		3158		2713	3+38			3600	8				Š					
	R CP	.8870		<u>.</u>	.1012	į	·		2004			4077					2424			0336
	DEPENDENT VARIABLE CP	.7800		stts.	.1726					1649		4567		!	3134			. i33		
. 186	DEPENDEN	.6730		. 2753	.1935	ţ		029 <b>8</b>			1898		2908	ļ	<del>.</del> 281			1536		6+10
		.5340		2519	. 1969	:	P .	1028			1684		6355	1	2885		1993	0866		
EETA (3)	SURF	.4270	.3116	ų, d	) t	ř.	.1379	2748				1943	į.	•	2784		1993	25.00		.0337
11.99 <b>3</b> E	DILEFT WING BOT	3640	£4480.	. 2921	.2055	0771.			3332				2074	3109		10 TO 1		1885	1053	
=======================================	DLEFT	.2930	1		. 1015									1836		3429	D+81		1917	
A.PHA ( 5)	SECTION (	2Y/BH	X/CH . 081 . 085	ST S	ក្រុក មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិនិ មិនិ មិនិ មិនិ មិនិ មិនិ មិនិ មិ	# # # # # # # # # # # # # # # # # # #	ម្រាស់ ម្រាស់ ម្រាស់ ម្រាស់		က ကု က ကု		១ស្គ ១ស្គ 	រដ្ឋា ភូមិ :	m en e 1	2 ± 0. 2 ± 0.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	າ ເຕີ ແ ກ ເຕີ ແ	်င်း (၁၈ (၁၈ (၁၈ (၁၈ (၁၈ (၁၈ (၁၈ (၁၈ (၁၈ (၁၈	ជា មា ១ មា ១ មា ១ មា ១ មា ១ មា ១ មា ១ មា	ម្ចាស់ ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្រី ស្ត្	1.000

AMES 11-073-1 )
. 0A148 (
TABULATED PRESSURE DATA -
DATE 13 FEB 76

PAGE 2755	(XER. 65)	1																							
PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(DAI48) -140A/B/C/R ORB LEFT WING BOT	0 = 590.06		.9720	-1.3632		8684			- 3539			3155		3638			3660					2768		
48 ( AMES	-140A/B/	. 59422	ABLE CP	.8879	. 0202	.2789			. 1644	•		.072₩	•	0191	•	2061		•	4232				·	92.50	960 <del>9</del> .
TA - 0A1	3(0A14B)	MACH	DEPENDENT VARIABLE CP	.7800	.3277	.3391			.2459			- IN -					185£		-,4524			3196		•	ı
SSURE DA'	S 11-07	4.247	DEPENDE	.6730	.2724 .3630	.3665			. 2447			. 1696		. 0862	0362			2052	•	2993					
	AM	, n		.53+0	.3619 .3619	.3395	. 2932		. 2244			.1721		.0979	0129			<u>.</u>		6+89		2870 -		.2066	! ! !
IABULATED		BETA ( 1	SURF	٠٤٠٠	5122 0931	}	9	}		.2257		. 1759		.1216	2710				2003		+353	. 2841		•	2073
		. 980 1	WING BOT	.3540	9579 5961 4518			0101		.2374	.1732		.1556			0059			•	.2111		) Y	1	<b>2</b> 993	- 176:
2			7 131EFT	.2990	9898 . 0000	2864		1313		i	1840.					•				•	1834	•	.3509	.2121	•
		'n	Š	2Y/BN X/Cii	2.020 020 040	.050 .069	080 · 081	.096 .094	. 150 751.	. 153 171	, 100 100 100 100 100 100 100 100 100 10	당사 #	390	504. 504.	. 500 200 200 200 200 200 200 200 200 200	.637	678.	. 706 . 257 .	760	. 799 0.00 0.00		2009 1.02 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03	្ត ម្រើន	1 1 2 1 1 1	ກ <b>ວ</b> ີເ

立る 2387.2 AMES 11-073(0A149) -140A/B/C/R ORB LEFT MING BOT 590.06 -.9570 -.1504 .1051 -1.4105 -. 3925 .8870 8.307 MACH = .59422 . 2099 .0398 104 -.0431 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 7800 . 7800 -.1374 .2687 .2136 -.1094 -.1383 -.1523 . 1270 .6730 -.0019 .1153 .6730 .3053 .2179 . 1485 24.0. -.0476 4.247 .5340 .53+0 . **99**12 . 2526 .2037 . 1552 .2857 .2526 H:80. -.0227 BETA ( 4) . BETA ( 5) = -. 1008 .4270 .4270 -.7453 -.2804 .1295 .0450 .2112. . 1601 . 1390 -.3112 .2031 SECTION ( 1) LEFT HING BOT SURF SECTION ( 1) LEFT WING BOT SURF -.1153 .3640 .3640 -.0933 .:767 1430 . 1461 ALPHA ( 5) = 11.973 ALPHA ( 5) = 11.990 -. 2266 -.2339 -1.2177 B28+1--.0079 2Y/8W

-.3710

-. 4499 -. 4177

-.2189

-. 1882

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TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 )

AMES 11-07310A148; -140A/B/C/R ORB LEFT WING BOT

.972Q .8870 DEPENDENT VARIABLE CP .5340 .6730 .7800 8.307 ALPHA ( 5) = 11.973 BETA ( 5) = .3640 .4270 SECTION ( 11LEFT HING BOT SURF 2990 2Y/BW

-.6442 -.2876 -.4113 -.2174

-. 25:55 -.2832 -.1966 -.3135 -.1244 -.1322 -.1540 -.2133 -.2045 -. 0935 -.2828 -. 1981 -. 3225 -. 3493 -.2203 -. 1929 

-.2717

-.0738

-.0268

.0479

-. 1175

-.2385

(XEB.66)

C DE ALTO TO )

(XEBL67)

## AMES 11-073(04148) -140A/B/C/R ORB LEFT MING BOT

PARAYETRIC DATA	RUDDER000 SPOBRK - 55.000 BDFLAP - 22.500 L-ELVN4.000 R-ELVN4.000 MACH900	P - 1058.0 RN/L - 3.53+0	1																		
		• 600.66																			
		O		.9720	-1.3467		-1.2 <sup>4</sup> 94			6259			6622		5756			08cc ·-			
		.90057	LE CP	.8870	-1.0342	-1.3726			1.2386			1.1677		387±		1939			5316		
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• 5	r VARIAE	. 7800	-1.6207 -	-1.3568 -			- 1115.			9395 -1.1677				•	2212		5267 -		32.82. <b>-</b>
	ZZZ	49 MACH	DEPENDENT VARIABLE	.6730	-1.2441 -1	-1.3127 -1			-1.1383 -1.2111 -1.2386			4615 -		2659	2696		•	2222	•	6051	r CGG
	1076.6800 .0050 375.0000	-3.849	O	5340	-1.0794 -1 -1.2582 -1	.1535 -1	-1.0638		6161 -1			3954 -		. 2635 	3055			- 255	}	6092	3593
	W # #	=		•	77	ī		**	;			i		•	·			,	!	9	M.
TA.	XMRP YMRP YMRP	BETA (	SURF	.4270	- , +919 - , 5360 - , 5360		Ì	#		0000	) 	3711		2546	7619				2105	San -	900
REFERENCE DATA	SO.FT.		WING BOT	.3640	. 2977 - 2542 - 6555			1119		1685	() ()	<b>)</b>	3335			2906				.2722	. 5842
REFER	2690.0000 474.8000 935.0580	1) = -3.954	C DILEFT W	2990	- 1279	1235		. 7911	•	•	+0 <b>53.</b> -		•			'				•	3059
	SPEF = BREF = SCALE = SCALE	ALPHA ( 1	SECTION	2Y/84	X/Cu 010. 020. 040.	ຍທີ່ດີ. ຕິດ	689. 689.	990 990 900	01	.163	i i vi With	in the	ID COOK	7 (t)	រ មួយ សូម្បី សូម្បី សូម្បី	. 583.	ຕ. ຕິກ. ຕິກ.	137. 257.	760	27. 82. 83. 83.	00 0 m 00 0 m 00 0 m

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PAGE 2769										RN/L = 3.6340												
	(XEB.67)									1058.0												
	108									88 P												
	T HING									<b>*</b> 600.66												
1-073-1	JA/B/C/R ORB LEFT WING BOT			.9720		6116				a		.9720	7279		6570	:	3907		4717		4302	
	33/8/		SLE CP	.8870			293+		0820	.90057	LE CP	.8870		1.2633				8162		5671	•	2774
ð	DA 148)		r VAR1A	.7800				2632			VARIAE	.7800	.0661 - .3562 -	.3038 -		- 5740.		5218		•		·
PRESSURE DATA - 0A	AMES 11-073(0A148)	62	DEPENDENT VARIABLE CP	.6730				- 3485	0932	.192 wer	DEPENDENT VARIABLE CP	.6730	.0724 -1.2717 -1.0661 -1.0992 .2347 -1.3304 -1.3562 -1.3160	13 -1.2702 -1.3038 -1.2633		6774 -1.0472 -1.0967		- 7165		2817	3398	
PRESSU	AMES	-3.849	ā	.5340			3280	828:	ř	. 15	8	.5340	724 -1. 347 -1.		.6951	M		9		4635.	.3150	
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TAB		BETA	T SURF	.4270	3645		2854	2086	1623	BETA	SURF	+270	3137 3629		3879		+50+	25.0		2482	į	/201
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B 76		-3.954	DILEFT WING BOT	<b>8</b> 59 <b>0</b>		5963	2905		1120	-3.952	IILEFT HING BOT	.2990	. 0000	0574	•	0547		9500.	•			
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BETA ( 2) = ALPHA ( 1) = -3.952

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-.5033 -.5733 -.5499 -.2900 -.7366 -. 3233 -.2907

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TABULATED PRESSURE DATA - DAIH8 ( AMES 11-073-1 ) AMES 11-073(DAIH8) -140A/B/C/R ORB LEFT WING BOT			.9720		•		3839		1001					802	3			
8 ( AMES - 140A/B/C		BLE CP	.8870		7103	5586		3325			5674			·		2691		1159
A - 0A14 (0A148)		DEPENDENT VARIABLE	.7800		5389				3689		5462		Ş	19/5:			2837	
SURE DAT	4.272	DEPENDE	.6730		3512	2597	3605			3666		5965	9	Pece .			1937	1112
TED PRES			.5340		3259	2488	3046			3903		5883	ğ			3070	2467	
TABULA	BETA (3)	SURF	.4270	3041	2821	900	ğ				3346	. R321		3055		. y 38	170	1139
		HING BOT	.3640		«טפט	2419		- 2825				3755	4692		- 2843		2061	1653
97 6	= -3.959	1)LEFT 1	.2990	.0197									3711		6374	3061		1856
DATE 10 FEB 76	ALPHA ( 1) =	SECTION ( 1) LEFT WING BOT SURF	2Y/BW	X/CH 177.	វុស្ត់ទុំ	000 A	. 553 253 253 253	. 600	.650	255 255	.750 .760	277. 1987. 1989	#889 6889 6889	738.	. BF55	506. 208.	9.9. 9.9. 5.7.	1.000 1.000

PAGE 2772	(XE8L67)	1056.9 RN/L = 3.6167																					
		۵																					
3-1 )	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT	= 601.04		0	<b>s</b>	*		0			<b>Q</b>		•			Xî					8		
11-07	7.R OR	Ø		.9720	J415	3614		0. ¥0.			2586		2099			5625					2060		
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- 0A14B	0A148) -1	# 8	DEPENDENT VARIABLE CP	.7800	7632	7165		2642		2389					-,3195		4776			3616			
PRESSURE DATA - 04148 ( AMES 11-073-1 )	3 11-0730	-3.871 MACH	DEPENDEN	.6730	8342	6222		2246		2073		1428	1	2149		2730		6172		4631			
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55		6+0.	DILEFT WING BOT	.2990	.0366	.0061		0078	1	. 0260										2988		6289	. c36c
DATE 10 FEB		ALPHA (2)	SECTION (	2Y/BN	X/CH .010 .020	500. 500.	. 080 080 180	289. 201. 150		<b>6</b> 55.	¥7.5.	055. 390 1390 1390 1390	.504. 503.	. 550 . 565	. 500 . 637	.670			. 798 808.	. 839 . 859 . 850	. 857 588.	8.6 8.0 8.0 8.0 8.0	

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TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )	AMES 11-073(04148) -1404/B/C/R ORB LEFT. WING BOT		LE CP	.5340 .6730 .7800 .8870		0918	.90130	LE CP
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              AMES 11-073(0A148) -140A/B/C/R ORB LEFT HING BOT
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TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )
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BETA (3)

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(XEBL67)

AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT

Ž **1058.3** 599.87 -.4875 -.2738 .9720 -.2212 .8870 -.5033 -.6858 -.2157 -.1053 .89987 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP 8 .7800 -3.877 MACH . . 7800 -.3677 -.2684 -.2224 -.2625 .6730 .6730 -.2421 -.3162 -.3662 -. 1493 -.1059 -.6235 -. 1344 -.3155 .5340 -.2165 -.2978 -.6157 5340 BETA ( 1) . -.8897 .2990 .3640 .4270 -.0941 -.3062 -.2084 -.1173 -.2690 -.6665 .4270 SECTION ( 1) LEFT WING BOT SURF SECTION ( DILEFT WING BOT SURF -.:386 3540 -.5528 -.2943 -. 1999 -.2010 4.019 .2990 -.3155 -.6179 -. 3299 - 1941 - 1941 4 PHA ( 3) . 10.7 YO

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T WING BOT																							
AMES 11-07310A148) -140A/8/6/R ORB LEFT WING BOT			.9720		- 1849			2401		2903		1	6106						1713				
-140A/B/		BLE CP	.8870		0783		1060		1197		3030			7475						2003			0963
(0A14B)		DEPENDENT VARIABLE	. 7800		0162		0487					2833		6366			906	9065.				1662	
5 11-073	-3.877	DEPENDE	.6730		0091		0285		0309	1409			2672		6383		Š	- 2004 - 1				- 2458	0615
AME			.5340		. 0022		9400.		0215	1225			Ę	) os : -	6615		7767	. 3363		3083	į	2744	
	BETA ( 1)	SURF	.4270	. 0606		.0199	0100		.0142	0 10	3			Ç.	<u>1</u> 040	7056		3273			6679	2135	1040
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TABULATED PRESSURE DATA - OAIH8 ( AMES 11-073-1 )	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT
10 FEB 76	

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PAGE 2777 Ž 1059.3 599.87 .9720 -.2057 -.2320 -.2975 -. 3447 -. 1514 .8870 .89987 ..... -.0445 S180 - S710 - - C500 - - 7#10. DEPENDENT VARIABLE CP -.1396 -. 1213 .7800 .1500 -.0210 -.0266 -.0504 -.2968 -.6331 -.3366 MACH .6730 .0845 -.0181 -.2380 -.03i4 -.0409 -. 154¢ -.4530 181 -.6445 .5340 .17:4 6400. . 0280 .0128 -. 1314 -.2032 -.6580 -. 3236 BETA ( 2) = .4270 .3699 .3446 .2101 .0970 . 0229 .0390 -.9722 .0087 -. 3061 -.7009 SECTION CITLEFT MING BOT SURF 3540 -.0073 .0971 .1357 .e107 7115. .0561 1450. -. 1210 -.2095 -. 1932 -. 2992 -.6274 4.018 .2990 -.0822 .0000 .0229 .041 .0916 -. 3333 -.2450 -. 5923 A\_PHA ' 31 = 27 / Bw

(XEBL67)

TABULATED PRESSURE DATA - OAIMB ( AMES 11-073-1 )	AMES 11-073(DA148) -140A/B/C/R ORB LEFT HING BOT
DATE 10 FEB 76	

ž 1058.3 599.87 -.2632 .9720 .9720 -.3587 -.6248 -.3206 -.3645 -.3930 -.0729 . 1813 -.0048 .8870 .8870 -. 1534 .89987 .0006 -.0823 .0106 -.0167 -.0451 -.1276 -.6405 -.7312 土高.-DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 . 7800 1610. . 0960 . -.3174 -.2736 -.2053 -.2134 4.243 MACH .6730 .6730 5110. 1240 .0274 -.0665 -.0399 -.16:0 -.2442 . 181 -.2077 . 3285 -.0325 . 3820 .0469 -. 1324 .5340 .5340 .1277 BETA ( 3) = BETA (2) = -.1307 .0315 .007t J. 4270 .4270 .1336 -.9432 -. 109⁴ .3014 .3236 .2321 .0625 SECTION : DILEFT WING BOT SURF SECTION ( INLEFT WING BOT SURF .1700 .35+0 .36+0 -. 1590 -.0142 .0378 .2163 .0588 .0450 -.1209 ALPHA (3) = 4.022 4.018 4715.-2000. .0063 . 2990 . 2993 -.0370 .0751 ALPHA (3) = ×/CH .950 .953 .955 .955 .000.1 ZY · BY 24/BH

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AMES 11-073(04148) -140A/B/C/R ORB LEFT MING BOT 4.243 BETA (3) 7.025 ALPHA 3:

1057.8 600.32 -. 1332 a .8870 -.2393 .90040 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 -3.860 MACH = -. 3501 -.2480 -.2030 -.2490 .6730 -.5996 -.3063 -.3937 -.0850 .5340 -.6698 -.2807 BETA ( 1) = -. 1930 3/27 -.2966 -.2405 -.7050 -. 0304 SECTION OF LEFT WING BOT SURF SECTION 1 ILEFT MING BOT SURF 3540 -. 1309 -.1916 -.2357 -. 3052 7.995 2662. -.5724 -. 3291 -. 2456 -. 1959 ALPHA ( 4) # 24/84

.3538 .8870 .2398 .7800 .504**8** .3824 .2653 .6730 .3810 .2618 5340 .3753 .2704 +122. .4142 .4678 .3808 .2643 .2333 -.1772 .0373 27.EM

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-3.860	DEPENDE	.6730	.0753	0596			2196		6117			953c · -				3176	1070		. 182 MACH	DEPENDENT VARIABLE CP	.5730	ţ	3783	. 2695	
H		.5340	. 0847	0360			1638		7009		Š	# : : :		2859		2506					5340	200	3915	. 20G*	. 2392
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7.995 E	I'LEFT WING BOT SURF	.3640			0385				172B		6700			4655	1934	2511				WING BOT	. 36+0	<u>,</u>	• • •		
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TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

AMES 11-07310A148) -140A/B/C/R ORB LEFT MING BOT

.9720 -.277g -.6140 -.5193 -.2761 .0820 .8870 .0113 -. 0590 -.2637 -.6480 -.6679 -.7175 DEPENDENT VAR! ABLE CP . 7800 . 1697 9960. -.2115 -.4863 -.4974 -.8107 -. 2219 -. 3197 -. 4106 .6730 . 1290 . 1827 .0646 -.0396 -.0580 -.2164 -.7105 -.6230 -. 1656 . 1426 .0765 5340 .188 -.2965 BETA ( 2) . 1547 -.6517 -.1722 .4270 . 2739 -. 1715 -.5649 . 1968 .1145 -.2655 -. 7205 SECTION 1 11 LEFT MING BOT SURF .3640 .2186 .3129 -.2139 -. 1239 . 1819 -. 1907 . 1500 -.0391 1.4931 ALPHA ( 4) = 7.993 .2990 -.:606 . 1259 .0271 -. 3902 -.2181 -. 5954 HB/Ac

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PAGE 2783							L = 3.5762								•						
	(XEBL67)						= 1058.3 FN/L														
•	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT						= 599.87 P														
TABULATED PRESSURE DATA - DAIWR ( AMES 11-073-1 )	C/R ORB L			.9720			G		.9720	3616	0810		1903			1192		2007		5777	
B. ( AMES	-140A/B/		BLE CP	.8870		3750	.89987	BLE CP	.8870	.5306 .5058	.4185		.2445		.1534		.0660		1575		5854
1 - 0A146	(0A14B)		PEPENDENT VARIABLE CP	.7800	<del>49</del> 70		" HOH	DEPENDENT VARIABLE CP	.7800	.5894 9753	. 4523		.3276		.2360				1 202	•	5916
SURE DATA	3 11-073	4.242	<b>DEPENDEN</b>	.6730	2884	1701	-3.856 MACH	DEPENDE	.6730	.6026	.4612		.3344		.2561		.1736	.0246		1913	
ED PRES	AME			.5340	1883		•		.5340	.6289 .5704	.4679	.402B	3300		.2665		.1813	.0507		Ö	
TABULA		BETA (3)	SURF	.4270	1418	0463	BETA ( 1)	SURF	.4270	. 2185 4254	0 A A A	-4102		7155.		.2689	0	6167			2076
		7.992 60		36+0	1385				.3640	5664	Uc/4	2789		.4162	.2979		136		.0466		
3.76		- 7.9	INLEFT WING BOT	. 2990		1995 	= 11.953	I ILEFT WING BOT	.2990	4705	0142		.0812		.2071						
DATE 10 FEB 76		ALPHA ( 4)	SECTION (	2Y/BW	X/CH .950 .953 .953	.965 1.000	ALPHA ( 5)	SECTION (	2Y/BW	X/CM .010		. 080 080 180 180	150 150 150		2 2 3 4 5 5 6 7 7	45. 24.	065.		15.00 15.00		627. 027.

(XEBL67)	
) -140A/B/C/R ORB LEFT WING BOT	
AMES 11-073(0A148)	-3.856
•	BETA ( 1) =
	11.953 BE
	ALPHA ( 5) =

								999.87 P = 1058.3 RN/L = 3.5762									
								# #									
	.9720			5561				σ		.9720	5173	1	10 St. 1	000			1916
RE CP	.8870				8180		4886	.89987	LE CP	.8870	. 4335 64335	3715		.2085		.1258	
T VARIAE	.7800		7491			8428			T VARIAE	.7800	4814 4970	.4195		.3101		.2170	
DEPENDENT VARIABLE CP	.6730	6576	6232			5781	3456	. 189 MACH	DEPENDENT VARIABLE CP	.6730	.5281	.438 <i>T</i>		.3219		8242.	
	.5340	6569	8070		5449	2785				.5340	.5788 5290	4522·	. 3902	.3164		.2581	
SURF	.4270	Č		+.683. -	5111	2455	1158	BETA ( 2)	SURF	.4270	0023	<b>D</b>	.3791		.3132		C
	.3640	1947	6457	Č	יייייייייייייייייייייייייייייייייייייי	- 5014	56:-		TING BOT	.3640	4126 2099		<u> </u>		.3715	.2768	. 2496
1)LEFT \$	.2990		2311	6399	3947		1930	= 11.963	DILEFT &	. 2990	6855	1140		.0072		<u>.</u>	
SECTION ( 1) LEFT MING BOT	2Y/BW	X/CH . 775 . 798	838 838 858 858 858	68.85 68.85 68.85 68.85	200 200 200 200 200 200 200 200 200 200	9.00.00 9.00.00 9.00.00	. 965 1 . 000	ALPHA (5)	SECTION ( 1) LEFT WING BOT SURF	27/BH	X/CW 010.	500	2690. 0800. 1800.	460 150		<b>,</b> <b>,</b> , , , , , , , , , , , , , , , , , ,	1/V.

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PAGE 2785															1 = 3.5762				
	(XE8L67)														S FRV.L				
	(XE														= 1058.3				
															۵.				
_	AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT														- 599.87				
PRESSURE DATA - 0A148 ( AMES 11-073-1	C/R ORB 1			.9720		2604		6010				5873			o		.9720	6749	-,477B
B ( AMES	-140A/B/		BLE CP	.8870	.0316	1936	. •	1	6016			6535		.5107	.89987	ALE CP	.8870	.3053	3242
4 - 0A14	(0A148)		DEPENDENT VARIABLE CP	.7800			1546		6128		7823		838 <del>4</del>		MACH =	DEPENDENT VARIABLE CP	.7800	.3594	.3718
SURE DAT	5 11-073	. 189	DEPENDE	.6730	.1587	.01		1928	-,6774		6255		5270	3080	4.261 M	DEPENDEN	.6730	4323 4499	.4018
	AME			.5340	.1721	9040.		1925	8		7986	6599	3073				. <del>53+</del> 0	.4402	.3603
TABULATED		BETA ( 2)	SURP	.4270	.2035	6145			2241	F.5.74	+169		2162	0916	BETA (3)	SURF	.4270	2148	
		11.953 B	WING BOT	3640			649.			2094	6314	5455	9.55			THEFT MING BOT	.3640	3813 3090	
B 76			ULEFT	. 2990							2272	6139		2724	<b>a</b> 11.953	IILEFT 1	. 2990	<b>8</b> 102	2131
DATE 10 FEB		ALPHA (5)	SECTION (	SY/BH	X/CH .400	. 56. . 56. . 56. . 56. . 56.	659. 850.		5. 5. 5. 5.	798 808	834 839 850 850 758	589. 678. 679.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	. 965 1.000	ALPHA ( 5)	SECTION (	2Y/BW	#0.X 0:0:	7 5 6 7 1 5 6 7 1 5 7 7

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

		.9720		100%				2634		1.3141		1	156 156 157					1	6532				
	BLE CP	.8870		.1756			.0931		0016		2223			6238						- AG26			5265
	DEPENDENT VARIABLE CP	.7800		.2790			¥0					1690		6510			9					8+09	
4.261	DEPENDE	.6730		.295		:	.2187		. 1385	0023			1965		7054		6770	3				4702	2841
•		.5340		.2913			. 2331		86 <b>↑</b> 1 ·	.0280			22.45		6252		7811			8424		3072	·
BETA (3)	SURF	.4270	.3373		2938		<u>ئ</u> رى ئۇ		. 1837	5929				e de		8445		5918			6641	2302	0973
11.953 6	WING BOT	.3640	.1069		.3160	.2459		.2305			.0311				. 2555		6101			529	4854	8666	i i
	1)LEFT	. 2930	0703													1010			6190	-,4184			- 2359
ALPHA ( 5)	SECTION ( 1) LEFT WING BOT	2Y/8W	X/CH .081 .086	.150	. 163	ភ្នំ ភូមិ ភូមិ	ייריי קייי דייי	390	20 A	. 555 250 250 250 250 250 250 250 250 250	.603 .637	.650		027. 037.	27.T. 198	.808 .44	6.45 6.50	758. 538.		නු පුරුණි. පුරුණි.	9 9 9 9	ນ ຈຸ ຍ ວິທີ ເປັ	ស្គាល់ ស្គាល់ ស្គាល់ ស្គាល់

55.000 4.000 .600 PARAMETRIC DATA

- 4.8347

SPOBRK = L-ELVN = MACH = Ž - 2387.2 22.500 -4.000 RUDDER = BDFLAP = R-ELVN = ۵ 593.04 - 1076.6800 IN. XO .0000 IN. YO - 375.0000 IN. ZO XMRP YMRP ZMRP

0 ALPHA ( 1) = -3.934 BETA ( 1) = -7.845 MACH = .59574 DEPENDENT VARIABLE CP SECTION ( I) LEFT HING BOT SURF

.9720 .8870 .3640 .4270 .5340 .6730 .7800 . 2990 2Y/84

-.6695 -1.1245 -2.1315 -1.8657 -1.6505 -1.5753 -.5834 -1.1827 -1.9783 -1.8278 -1.3639 -1.4889 -1.1161 -.5407 -1.0012 -.3000

-.9857 -.9602 -1.1282 -1.1814 -1.1388 -. 7248 -.6427 -. 3563 -. 25544

-.3723 -.4775 -.5309 -.6221 -.6035 -.2262

-.3324 -.4003 -. 3839 -.3881 -.1871

-.3753 -.4093 -.424E -.3168 -.2632 -.2804 -.2453 -.2627 -.2913 -.2092 -.2135 -. 2539

-.424B

8444°.-

-.5332 -. 6418 -. 4145 -. 2882

-.5420

-.5700 -.3759 -.2473

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

PEFERENCE DATA

2690.0000 50.FT. 474.8000 IN. 935.0680 IN.

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(XEBL68)

						593.04 P = 2387.2 RN/L =													
		.9720	 4011			•		.9720		9721		Baga		. 3423	<b>}</b>		3934		3967
	BLE CP	.8870	2065		0235	.59574	BLE CP	.8870	-1.6371	-1.5090		•		5669		0.404	•	2999	<b>1</b>
	DEPENDENT VARIABLE CP	. 7800		0806		MACH .	IT VARIA	. 7800	1.7877	-1.4218	1.1401			5527		3932			
-7.845	DEPENDE	.6730		3193	0534	-3.844 MA	DEPENDENT VARIABLE CP	.6730	. 2.0824 -	-1.9510 -	9680 -1.1401 -1.1341			4752		3519		2560	2762
		5340	2066	0872				.5340	- 5.0884 -	-1.8363 -	8987	6678		4315		3013		2323	£452
BETA ( 1)	SURF	.4270	2871	0663	. 0065	BETA (2)	SURF	0754.	. 84g.	9059	3	197.7			3563			1975	
	ING BOT	.3640	2577	1549				.36+0	144	3901			2395		2908	3336	2352		
-3.934	1)LEFT 4	. 2990	3678	1	7	-3.918	THEFT WING BOT	. 2990		0000.	1746		1587		186		·		
ALPHA ( 1)	SECTION ( 1) LEFT WING BOT	2Y/BN	#3/x .854 .858 .858 .879 .900	ល់ លុំ លុំ ល ច ស ស ស ល ច ស ស ស	1.600	ALPHA ( 1)	SECTION (	2Y/8H	X/CH .010	050	050	00 E	9.4 6.5	150 157	.:63 771.		in the second	00 m.	ភាពព្រះ សមាន សមាន សមាន

4.83+7

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AMES 11-073104148) -1404/8/C/R ORB LEFT HING BOT
                        -3.844
                        BETA ( 2) =
                        -3.918
                        A. Pr. 1 1 =
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												* 4.8347							
												FB/L							
												- 2387.2							
												۵					•		
												<b>=</b> 593.04							
	.9720	ğ										o		.9720	8323		6640		3098
LE CP	.8870		6				•	2019			0110	.59574	CP CP	.8870			•		1884
DEPENDENT VARIABLE CP	.7800	3303				2796			0830			•	T VARIAB	.7800	2.1052 - 1.5472 -	1.0361 -			£787
DEPENDEN	.6730		3300	4221		3288			2802		0252	.193 MACH	DEPENDENT VARIABLE CP	.6730	.8196 -2.0147 -2.1052 -1.8770 .3871 -1.5904 -1.5472 -1.7787	8831 -1.0361 -1.1110			4359
	5340		2920	6810		3334		2059	0902					.5340	-1.8196 -1.3871	7829	5940		3847
T SURF	.4270			2715	5733	2938		1756	90.1.	0727	0013	BETA (3)	SURF	.4270	5748 6416	/ <b>*</b> 60			
INS BOT	.35+0	2357			- 2369	3817	9636		1659	0816			11NG BOT	.3640	2073			1350	2026
INCEFT WINS BOT	. 2933				2532		3813	2209				-3.895	INCEFT W	. 2990	0983	1660		- 0860	
SECTION :	2V/8W	X/CW . F.\$7 . 653	7007. 2557.	750	8. 86. 80. 86. 80. 86.	. 839 . 850 . 857						ALPHA ( 1)	SECTION ( 1)LEFT WING BOT SURF	2Y/8H			<b>ភ ជ :</b>		11.1. 10.1.1.

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		.9720			3659		3730		. ROR7				### ### ##############################	!		
	LE CP	.8870		3647		2797		3316		000				1882		6046
	T VARIAB	.7800		3593					3165		;		2727		0805	
. 193	DEPENDENT VARIABLE CP	.6730		3329		2422	2688			3197	4201		3041		2231	9600
•		.5340		2772		2199	244B			2897	7041		3273	-: 1998	0811	
BETA (3)	\$ .4£	.4270	3142		E 元.	1896		1823			2788	5652	300%	1835	0812	.0070
	ING BOT	.3640		8771	:	:			2269			2990	3902	2765	1835	CEED
= -3.895	DLEFT H	.2990		18/O.1									2857	3962		1+38
ALPHA ( 1) .	SECTION ( 1) LEFT HING BOT S' RE	2Y/B#	X, CH 771.	255 255 255	4. T.	2000 1000 1000 1000 1000 1000 1000 1000		898. 808.	. 65.8. 5.8.8.	070. 007. 007.	25. 28. 27.	. 7.28 . 629	ឆ់ <b>១ ១</b> ស ស ស ស • ស ស ស ស	වූ අතු සු අතු සු සු සු	១១១ ១៩៩៩	

PACE 2791		· 4.8347																						
PA		. אאר																						
	(XEBLEB)	- 2387.2																						
	AMES 11-073(0A148) -140A/B/C/R ORB LEFT NING BOT	= 593.0+ P																						
11-073-1	/R ORB L	<b>o</b>		.9720	1.7016		. 5632		2778			1202		3183			4262					3374		
( AMES	140A/B/C	₩759574	LE CP	.8870	1.9528	8926			4296		3186		249t		2012		·	4630				·	1609	
- 0A148	0A148) -		T VARIAB	.7800	-2.0882 -1.9528 -1.4575 -1.7792	8458			4102		8125		·		•	3005		5060			2677		•	
PRESSURE DATA - 04148 ( AMES 11-073-1 )	11-0730	4.270 MACH	DEPENDENT VARIABLE CP	.6730	4722 -1.6493 -: 1706 -1.2863 -	7531			3815		- 293		2527		 5150	•	3099		4077		2793			
	AMES	•	_	.5340		6617	5101		- 73377		. 75457	)    -  -	. 1995		2327 -			2807	7081		- 3095 -		1861	
TABULATED		BETA ( 4)	SURF	.4270	3591 -1		75.00	•		2672		2122		51/1	1805				. c748	5324	. 2915			1771
			NING BOT	9+0n.	0900		·	0512		. 1635	2283	•	1814	•	•	2179			, 0900	9064	3744	,	2716	. 020.
5		-3.903	11LEFT ::	.2990	0415	0587		. 0635			86 %D		·			·				, 36e	recy.	9104	· \$50.	
DATE 13 FEB		ALPHA : 13	SECTION (	24/8M	X/CH .010.		680. 680.	965. 965.	021. 731.			5. W.	380		585 885 685	633.	.670 007.	\$ 55.	ēķ.		, <b>6</b> , 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,			ນ. ກຸດ ກຸດ

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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
DATE 10 FEB 75
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AMES 11-073(04148) -1404/8/C/R 0RB LEFT WING BOT

P. 339 BETA ( 5) ALPHA 111 = -3.916

3578. .8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION 1 19 LEFT WING BOT SURF .35+3 . 2990 2v/E4

-.2950 -.2485 -.2623 -. 3956 -.6995 -.2930 -. 5069 -.2881 -. 3722 - 3385

-. 1692 -.2783 -.2627

-. 1834

-.0608 -.1136 -.0582 0770.-¥00. -.1955 -.1122 -.2216

. 0025 .0247

. 59556 DEPENDENT VARIABLE CP BETA ( 1) . -7.888 MACH SECTION ( DILEFT WING BOT SURF .067 ALPHA ( 2) =

2387.2

592.68

O

.6730 .7800 5340 .4270 35+0

27/BH

.9720

.8870

-. 3012

- 125 ES

-.5615

-.5358 -.5705

-.9825 -1.0098 -1.0242 -.8859 -.7860 -.8647 -.0078 .0300

-. 5324 -.4040 -.1594 -.3093 -.3873 -.3097 -.0428 -.0785 -.0788 -.0511 -.0523

-.2477 -.2583 -.2623 -.2758. -.2113 -. 1353 -.0648 -.0539

-.2077

-.2213 -.1778 -.2053 -.2223 -. 1537 -.2017

-.2179

PACE 2793

.9720 -.2076 -.2748 -. 3466 .8870 -.2815 .0270 -.5279 -.4716 - 1951 DEPENDENT VARIABLE CP .7800 -.3238 -.3208 -.2644 -.0698 -.2591 -.0582 -.2784 -. 2899 -.0426 .6730 -.1610 -.6576 -.4045 -.2135 -7.888 -. 1972 -.1457 -.2572 -.2012 .5340 BETA ( 1) = -.2810 -.0529 -.1161 - 1594 .0294 .4270 -.2431 -.2472 -. 5652 SECTION ( 1:LEFT MINS BOT SURF -.0506 36+0 -. 1369 -.2713 -. 2445 -. 3650 .067 -. G+23. -.3731 -.1743 .2993 -. 2304 A. PHA ( 2) = 24/84

-. 2221 .9720 -. 2532 .8870 ...7±36 -..7861 -.5058 DEPENDENT VARIABLE CP .7800 -.8531 -.5003 -.8451 -.6685 .6730 -.4561 .5340 -. 7782 -. 7135 -.442ª -.0446 -.1552 -.2705 .4270 SECTION ( 1) LEFT HING BOT SURF .0307 3640 .2993 -.020-.0000

-. 3490

■ \*.8372

Z

- 2387.2

• 592.68

0

. 59556

-3.860 MACH \*

BETA ( 2) =

.076

ALPHA ( 2) =

2Y/94

(XEBTEB)

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT
TABULATED PRESSURE DATA - OALWB ( AMES 11-073-1 )
                                                                                                                   -.2010
                                                                                                                                        -.2607
                                                                                                                                                                                                                                       -.1797
                                                                                                                                                                        -. 3240
                                           .9720
                                                                                                                                                                                                                                                       -. 1442
                                                                                                                               -. 1885
                                                                                                                                                                                        -.5303 -.4663
                                                                          -.2151 -.2375 -.2412 -.2579
                                                                                                                                                         -.2792
                                                                                                         -.1567 -.1890 -.2084 -.2122
                                           .7800 .8870
                                DEPENDENT VARIABLE CP
                                                                                                                                                                    -.2762
                                                                                                                                                                                                                            -.3228 -.3110 -.2724
                                            .6730
                                                                                                                                                                               -.2891
                                                                                                                                                                                                   -.6860 -.4092
                                                                                                                                -.1421 -.1548
                                                                                                                                                -.1931 -.2095
                       -3.860
                                                                                                                                                                                                                                                       -.1972
                                                                                                                                                                                     -.2626
                                             . 53+0
                        BETA ( 2) .
                                                                                                                                                                                                                                   -.2876
                                                                                                                                                                                                                                                             -.1722
                                                                                                                                                    -.2229
                                                                                                                                                                                                              -.5729
                                                                                                                                    -. 1089
                                             .4270
                                                                                                                 -. 1412
                                                            -.2003
                                                                                            -.1788
                                                                                                                                                                                                ₽. Y-98
                                  SECTION ( I) LEFT WING BOT SUMF
                                                                                                                                                                                                                                                                  -.1600
                                            3640
                                                                 7110.
                                                                                                                                                                                                                                                    -.2578
                                                                                                                                                                                                                         -.3718
                                                                                                      -.1626
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                       .076
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                                                                                                                                                                                                                      -.2348
                                                                                                                                                                                                                                               -. 3863
                                                                        -.03+0
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                                              2930
    DATE 10 FEB 75
                         ALPHA ( 2) .
                                                                                                                       ×/CF.
                                              27/BH
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-.0577 . 0221 -. 0745 -.0770

-.0050

-.0673 -.2547 -.0670

.0236

AMES 11-07310A148) -140A/B/C/R, ORB LEFT HING BOT

MACH

.17

BETA (3)

.078

ALPHA ( 2) #

DATE 10 FEB 76

RN/L

(XEBL69) **2387.2** 

	.9720	2396		: 5 5	330			1917				2981					1496		
R CP	.8870	5688	4663		2534		2140		1886	i !	2785		16487					1352	
DEPENDENT VARIABLE CP	.7800	7397 6210	4439		2286		1999				נפרט ו	10/4:	4. K218			2738			
DEPENDE	.6730	7055 5428	3885		2043		1748		1543	2111		1062		-,4092		2913			
	5340	5863	3564	2876	1886		1+94		1375	1877			2643	7114		3234		1939	
SURF	.4270	.0690	ono 1	1768		1468	•	1268	1054	2232				2563	5630		 9199		1825
ING BOT	.3640	. 0645 . 0491	ceco.	.0581		0114	1297	י נאט			1820				2811	3793		2688	1762
1) LEFT 1	.2990	.0073	0060		0167		0012								1770			2336	
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AMES 11-073(0A148) -140A/B/C/R ORB LEFT MING BOT

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

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APES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

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(XEBLEB) AMES 11-073(04148) -140A/B/C/R 0RB LEFT MING BOT TABULATED PRESSURE DATA - OATHB ( AMES 11-073-1 )

.8870 DEPENDENT VARIABLE CP .7800 .6733 -7.630 5340 ETA ( 11 # 0424. 0438. 0658. 1 LEFT MIN3 BOT SURF 1 388 t i i

-.0692 -.2132 -.0556 -.0415 1040.-

O -3.850 MACH = .0549 - 7.993 BETA ( 2) .0635 -.0+6: 17 64

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.9720 .8870 DEFENDENT VARIABLE CP .7800 .6730 .5340 .4270 THUS TOB SATUR TRANS 3540 .2333 , .C...035 il.

.4649 .3982 . 5023 4048 .2699 . 4543 3959 .2588 .4617 3459 .2412 . 18≁2

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AMES 11-073(0A148) -140A/B/C/R ORB LEFT MING 80T

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RE CP	.8870		2116	.0123	. 59642	LE CP	.8870	.3870 .3405	.2420		.0765	.010	
DEPENDENT VARIABLE CP	.7800	2910	0768		• 5	T VARIAB	. 7800	.4282	.2481	!	. 1426	.0693	
DEPSNOEN	.6730	3508	. 1909	. 0686	. 185 MACH	DEPENDENT VARIABLE CP	.6730	.4136	. 25£1		1520	.0798	
	.5343	6552	1895				.5340	. 4298 . 3472	£ \$2.	. 1827	. 1343	.09≥	
SURF	.4270	5128	1703	1000 ·	BETA ( 3)	SURF	.4270	.:38* .2858		.2058	.1370	<b>3</b>	
:. EFT WING BOT SURF	36+0	3291	2295	0673		WING BOT	.3643	1.51.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		.1457	.2327	.1153	.0973
	. 2990	<u>.</u>	3477	10+3	- 7.991	11.677 18	3662.	8-85 6000.	0603	. CS89	:	<b>₹</b> 885 .	
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TABULATED PRESSURE DATA - OALYB ( AMES 11-073-1 )

(XEBLES)

PACE 2809

2386.8 AMES 11-073104148) -140A/B/C/R ORB LEFT MING BOT 594.33 .9720 -.2884 -.3373 -.2328 .9723 .8870 -.0551 -.2238 1.4440 .012¢ .59642 .8973 DEPENDENT VARIABLE CP DEFENCENT VAPIABLE CP -.4832 4.234 MACH . -.2055 -.3052 . 7800 -.3651 -.1529 -.0854 .6730 .0248 TT12.--.2955 -.258: . 2526 -.0539 -.0851 1.3344 (I) (II) (II) . 185 .5340 -.2016 .0347 -.6714 -.:838 ST Miles BETA ( 3) \* ECTA 1 41 a .0585 -.2516 .4270 -.0728 -.2077 **-.2779** -. 16+2 -. 4955 C+2. יין היין SECTION OF INCEPT MING BOT SURF 18 108 01. K LUUT. 1 .3540 -. 3856 -.2263 -.3266 -. 1733 () () () () -.0665 -.2+38 ALPHA ( 4) x 7.931 1. 000 0100 .2330 -.1587 -, 1955 1888. 1.01.1 -. 3537 21/82 (B) 참

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DEPENDENT VAPIABLE CP	.7800	.1378		.0574	•		2048	0 3 3	•		3076		0939	
DEPENDEN	.6730	. 1429		.3781	.0152	0905		2081	2790		2461		1482	.0133
	.5340	. 1263		. 3874	. 0246	0685		1925	6477		2864	1852	0671	
SURF	.4270	. 1932	.1307	. 0932	.050.	2805			2127	4558	2736		1.101.1	.0800
: LEFT WING BOT	3640	. 1695	. 2045	6660.	.0812		3592		0 0 0	ט ני ט ני ט די	P	2467	. : 8£0	a. 101.
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PAGE 2811		2386.8 RN/L = 4.8439		
	(XEBL68)	- 2386.8		
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	AMES 11-073(04148) -140A/B/C/R ORB LEF F WING BOT	= 594.33		
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11-073-	/R ORB 1			.9720
FRESSURE DATA - DA148 ( AMES 11-073-1 )	140A/B/C.	8.288 MACH = .59542 0	LE CP	£5740 . 6730 . 7800 . 8870 . 673.
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DATA -	073 (0A1	MACH	DEPENDENT VARIABLE CP	7. 05
URE 1	3 11-1	588	DEPE	.67
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TABU		BETA (5) =	1 SURF	3754. 049E. 0663.
		30	ING BOT	.3640
ဖွ		7.990	LEFT	2390
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DATE 10 FEB		in the state of th	SECTION / INLEFT WING BOT SURF	2v = v5

-.3585 -.3753 .1744 .2138 -1.0486 -.7175 -.2311 -.3872 .1718 .0313 -.0257 -.2440 -.0950 -.1900 -.4583 -.4637 .0439 .2235 .2749 .1232 .2119 -.2169 -.3056 . 2835 . 2835 .2344 . 1260 .0630 .0068 -.1009 -. 2297 -.2043 -.3115 -.0739 -.2056 . 2203 . 1696 .1153 .8732 P110. - 2843 -.6531 -.:930 -.3075 g: 00 ci .1720 .1232 . 3828 . 045**8** -.2226 1,4423 -.6315 -.4248 -.3272 -.0083 .1659 -.2315 .0806 .0726 -. 2525 -.2619 .0000 -. 1461 . 3026 -.2083 -. 2235 -.3671

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DATE 10 FEB 76

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-7.852 MACH =

BETA ( 1) =

ALPHA (5) = 11.959

.9720 -.7019 -.37777 -. 1951 .4672 .5299 .8870 .2608 .4607 DEPENDENT VARIABLE CP .7800 . 3244 .5278 .5782 .4851 .6730 .3131 . 5956 . 5816 .4787 .2885 .4433 .3669 5340 .5967 .1445 . 3589 C/54. SECTION ( 1) LEFT WING BOT SURF -.6234 -.1613 -.0294 .3540 .2640 .2990 -.3082 .0000 .2599 .1187 2Y/BM

.2765 .3515 **1** 

. 1688 .0651 .2205 .2562 . 1422 2270 . [43] 2170 9491. .2391 . 1960

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TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

AMES 11-073(0A148, -140A/B/C/R ORB LEFT WING BOT

.8870 DEPENDENT VARIABLE CP .7800 .6730 -. 2257 -7.852 .5340 -.5590 Ħ 11.959 BETA ( 1) OK54. +044.-SECTION CITTEFT WING BOT SURF .3640 -.1746 .2990 2Y/B;

-.2449 -.2792 -.0732 -.1740 -.1001 -.2610 -.2463 - 18年 -.0458 -. 1539 -.2221 -.0426 -. 1212 -. 1875 -.2785 -.0870 -.0577 -.2946 8.70% 7.70% 8.00% 8.00% 8.00% 8.00% 8.00% 9.00% 9.00% 9.00% 9.00% 9.00% 9.00% 9.00% 9.00% 9.00% 9.00% 9.00%

A T 2386.7 57. 12. đ -.0899 . 59656 -3.840 MACH = -.0109 ALPHA ( 5) = 11.978 BETA ( 2) = .0535

.9720 -.9536 .3296 .8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION C DILEFT WING BOT SURF .36+0 .2990 2Y/84

¥10#. . 2207 . 5072 .4469 .3032 . 2997 .5014 .4551 .5048 .4235 .2736 .3504 .3+22 .2533 .1773 . 3323 -.5391 .0452 -.0493

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(XEBL68)

PAGE 2813

(XEBL68)

2386.7 594.57 .9720 -.2919 -.3471 .9720 .1882 .3428 -1.1572 .0313 -.3915 .8870 -.2407 -.0698 . 59656 .3458 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 -.4323 . 186 MACH . -. 1468 -.2642 -.2395 -.2949 .7800 . 4227 . 4227 .3940 -.0710 -.1700 -.1119 .6730 .6730 . 1241 .0136 -.0038 -.5013 -.2529 .4180 -. 1621 -.0071 .4510 -3.840 .5340 . 1290 -.1471 .5340 -. 1836 .3953 3939 . 3280 BETA (2) . BETA ( 3) = .4270 -.1697 -.0559 .1533 -.2972 -.2403 -.1685 -.4373 . 3469 -.3094 .0764 .3203 .4270 SECTION ( 1) LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF -.1425 3640 -.7746 -1.0893 .0300 -.5160 .3563 .0102 36+0 -.2013 ALPHA ( 5) = 11.978 ALPHA ( 5) = 11.981 2990 -. 3090 -. 1254 -.1228 -.1611 -.1675 24 /BH

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TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )
DATE 10 FEB 75
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	.9720	
RE CP	.8870	
DEPENDENT VARIABLE CP	.7800	
DEPENDEN	.6730	
	.5340	
BOT SURF	0 .4270 .	
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SECT10*	2Y/BK	MO/X

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.8870		3	.0968	.0020	!	1966
.7800	מאלכ		3771.			1668
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-.3007 -.4493 -.4113 -.2755 -.2242 -.30g0 -.1876 -.6243 -.2876 -.1657 -.2552 -.4222 -. 1972 -.3:96 -.1743

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-.0836 -.1512 -.1343 -.0100 -. 19≒2 -. 1849 -.5877 .0347 -.1622 -.2156 -.0335 -. 1703 -. 1534  $C_{ij} = \{ (a_i, b_j) \in \mathcal{C}(a_i) \mid a_i = a_i, a_j =$ 

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PAGE 2016	(XEGL68)	P = 2385.7 RN/L = 4.6483																				
11-073-1 )	AMES 11-07310A148) -140A/B/C/R ORB LEFT WING BOT	0 = 594.57		.9720	-1.3619	8621		3587			3152		3646		27.77.					279		
PRESSURE DATA - DAINB ( AMES 11-073-1 )	8) -140A/B/C/	\$ .59656	RIABLE CP	00 .8870	.3168 .0181 .3168 .2293 -1	.3368 .2795		.2468 .1456		. 1576 . 0727		0185		2063			44264208		3112		2535	
JRE DATA - 0	11-07310A14	4.246 MACH	DEPENDENT VARIABLE CP	.6730 .7800	.2675 .07 .3601 .31	.3624 .33		. 2468 . 2 <sup>4</sup>		. 1725		. 0903	K1160		1823	2098		6867	20143			
		•	_	.5340	.2581	.3457	. 2959	.2257		.1739		. 1002	0	B 00 . +		175		6333	5775		2026	
TABULATED		BETA ( 4)	SURF	.4270	5079 0952	•	. 2655		.2215		. 1789			2766			1904	9014		2678		5051
		B 779.1:	TILEFT WING BOT	.3640	9593 6032	5/c+	0386		.2357	.1736		. 1580			0060			1965	2973		2247	:7+0
FEB 76	: !	•	( 1:LEFT	.2990	9732	2845			K 1 C	· •									:785		33:9	
DATE 10 FE	:	ALPHA (5)	SECTION (	2Y/84	#37.x 20.0. 0.00.	မှ ရ ရာ မှ ရေ မှ ရေ မရ မှ ရေ မရ မရ မရ မရ မရ မရ မရ မရ မရ မရ မရ မရ မရ		<del>វ</del> ស្ក ភូមាល ភូមាល ភូមាល	• M t d n to t • fi	្តាំ ស្តេ ស្ត្រីស្ត្រី ស្ត្រីស្ត្រី	ታ (ቦ የ የ	0000 (000 (000 (000)	บ <b>ค</b> ก เก	က က စ ဖြင့် ကို မ ဖြင့် မို	18 P	မှ (၂) (၂)	1	ម្ចាប់ ក្រុកប	் ம் ம் ம் ! ஆயிர் ! ஆயிர்		တ် ထု <u>ထု</u> ထို့ ထို့ ထို့	<u>ம்</u> ம

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

	(XEBL68)						- 2386.7												
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•	AMES 11-073(04148) -140A/B/C/R ORB LEFT WING BOT						= 594.57												
11-073-1	/R ORB L			J276.			o		.9720	-1.3990	8496		620 <b>4</b>		200		3972	5772	!
TABULATED PRESSURE DATA - ^1148 ( AMES 11-073-1	.140A/B/C.		LE CP	.8870		0554	.59656	RE CP	.8870	1664	. 2065		. 1045		.0462	0469			4112
3414-	- (8+140		T VARTAE	.7800	1449		MACH	T VARIAE	.7860	1350	7575.		.2113		.1304			1931	4503
JRE DATA	11-073	4.846	DEPENDENT VARIABLE CP	.6730	1246	0012	8.308 MA	DEPENDENT VARIABLE CP	.6730	.1123	. 3028		.2161		. 1533	.0723	0474		2103
ED PRESS(	AMES	n		.5340	1066			_	.5340	.0973 .2615	.2905	7,52.	. 1988		.1577	.0853	1212		- 1784
TABULAT		BETA ( 4)	SURE	.4270	0870	.0437	BETA (5)	SURF	.4270	7392 2905	,	.2163		.2037	. 1648		.3251		2070
		F	ING BOT SURF	.36+0	1025		38 696	TING BOT SURF	.3640	7234		f	1.000	0771.	.1377	. 1464		0130	
3.76		in ::	W LEFT W	.2393	•	1953	5.11.	DUEFT H	. 2990	-1.2175	4322		2298						
DATE 10 FEB		A_P-A : 5:	10 mm 1 m	( <b>\$</b> (i) (i)	4/ CN 953 953 953 953	. 988 1.000	ALPHA (5)	SECTION (	2Y/84		2 C C	70000 0000 0000 0000 0000 0000 0000 00	2 - CD - CD - CD - CD - CD - CD - CD - CD		កំហុត់សុំ ឯកទី ¥ (	មានជា ស្រុក្ស ស្រុក្ស ស្រុក្ស	ក្រុក ភូមិត្រូវ ភូមិត្រូវ	or cre	30000 30000 30000

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BETA ( 5) =

ALPHA ( 5) = 11.969

DATE 10 FEB 76

AMES 11-073(0A148) -140A/B/C/R ORB LEFT WING BOT

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	.9720			2645			
BLE CP	.8870				BCJ.		0780
DEPENDENT VARIABLE CP	.7800		3163		0		
DEPENDE	.6730	2889	19433163		000		0223
	.5340	6311	2752	<b>t</b>	. rolls		
SURF	.4270	3884	2687		1954	0894	.0430
SECTION ( 1) LEFT WING BOT SURF	36+0	2029	299 <del>4</del>	2328	1860	1135	
I ILEFT	. 2990		. 1801	3255	9	נים היים מחקר	
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## TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

PACE 2819

AUG 75 1		55.000 -10.800 -900	- 3.6263																		
50	DATA	SPOBRK • L-ELVN • MACH •	RN/L																		
(XE8L69)	PARAMETRIC DATA		* 1058.3																		
		RUQDER BDFLAP R-ELVN	<b>α</b> .																		
ORB LEFT WING BOT			• 599.88																		
			o		.9720	-1.3189	5961	3					- Grag		6275		at co	2			
-140A/B/C			.89987	ABLE CP	.8870	-1.0629 -1.3563	-1.3912	•		-1.2620			9370 -1.1641	3903		1896			-1.0389		
0A 14B)		858 858	MACH .	IT VARI	.7800	-1.0337	1.3792			1.2317			9370				2164		6765		5582
AMES 11-073(0A148)		ZZZ	-3.851 MA	DEPENDENT VARIABLE CP	.6730	-1.2650 -	-1.3194 -1.3792			6475 -1.1513 -1.2317 -1.2620			4845	2691	2335			 28:-	8183		6231
AME		1076.6800 0000. 375.0000	# E.		.5340	.0973 .2746	. 1682	-1.0697		6475			4070	2727	31 X2			2701	5609		4338
	ITA	YEAR YEAR	BETA ( 1)	SURF	.4270	5063 -1 5472 -1		- LART	9	•	3474.		3732			7837		•	1951	8190	•
	REFERENCE DATA	So. FT.		11NG B01	.3640	3366			1148		1737	3203		3+36			2990			2601	9012
	BILFER	936.0686 936.0686	-3.989	11LEFT WING BOT	.2990	1314 .0000	1287				į	0501								1300	t CBV .
		SOUR # 5 LOSS # BREF # 5 SCALE #	ALPHA ( 1)	SECTION (	2Y/BW	X/CW .010.	950.	, co	983.	. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	163	2007. 2007.	S. S	00 m	MOG.	35. 359.	. 650 650	700 2557.	. 750 750 877.	86.00 80.00 80.00	<b>68.</b> 68. 68. 68. 68.

(XEBL69)

1-073-1 )	ORB LEFT WING BOT
22012 PPESSURE DATA - 0A148 ( AMES 11-073-1	AMES 11-073(0A148) -140A/B/C

91. 51. ... 11.40

							8 P • 1058.3 RN/L • 3.6283											
							<b>s</b> 599.88											
		.9720	-1.0839				0		.9720	1169	9	6.00	- 7646			4679	4607	
	BLE CP	.8870		4899		3350	.89987	BLE CP	.8870	-1.1241 -1.2077	-1.1641		-1.0538		8213	ر. 83-يو.		1775
	DEPENDENT VARIABLE CP	.7800			0664°-		MACH .	DEPENDENT VARIABLE CP	. 7800	-1.6797 -1.1241 -1.3753 -1.2077	-1.3776		6996 -1.1182 -1.0538		5381			
-3.951	<b>GCN3430</b>	.6730			4258	2216	. 189	CEPENDE	.6730	-1.2905 -1.3437	.1325 -1.2892 -1.3776 -1.1641		6996		4170	2929	3311	
n -3		.5340		4452	4793				5340	-1.0897	-1.1325	7064	1415		3712	2693	3197	
BETA ( 1	SUBE	.4270	4817	4553	4467	3105	BETA ( 2)	SURF	.4270	1. 13.4 to 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		3849		9£1+∵-		€. 525B	۶ ۲	7891
. 939 B	MING BOT	.3640		4329	\$ 65 M		3.987 61	INCEFT WING BOT SURF	.3540	1266 - 1029	18/ <b>5</b>		0293	0911	£24	2858		
ii	1 1 EFF	. 2990	- 9533	737		2'27	-3.9	DUEFT 4	. 2990	5426 .0000	0597		0552					
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                (XEBL69)
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                ANTS 11-073/041481 -1404/8/C 048 LEFT WING BOT
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TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )
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-,2207 -,1070 -,3219 -1,1641
-,3094
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                                  A: PHA ( 1) # -3.987
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PAGE 2821

DATE 10 FEB 75

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DATE 10 FEB	B 76		TABULA	TEO PRES	SURE DAT	A - 0A14	TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1	11-073-1 )
				A.E	5 11-073	(0A14B)	AMES 11-073(0A148) -140A/B/C	ORB LEFT WING BOT
ALPHA ( 1)	*	-3.981 B	BETA ( 3)		¥.272			
SECTION ( 1) LEFT WING BOT SURF	DEFT	WING BOT	SUPF		DEPENDE	DEPENDENT VARIABLE	BLE CP	
2778W	.2590	.3640	.4270	.5340	.6730	.7800	.8870	.9720
X/CH . 177 . 229	. 0202		3238					
က် လုံ ဟုံ ကို လုံ လုံ ကို လုံ ခုံ		- 1983	2878	3353	3584	6007	8003	•
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0 5. 5				3898	3545	į	-	7189
		9022	2888	5034	8164	5987	<u> </u>	
	3535	8350	7565					
			4311	- 3993	4951	٠. پورون	•	7334
-	5322	4220	8944	4211			5136	
ល្អស្វេស ល្អស្វេស ស្វាស្វាស		3704	υ υ	4538	- 3729	4880		
1.000 1.000 1.000	3070		3377		2763		4085	

(XEBL69)

40.3

(XEB_69)	P = 1056.6 RN/L = 3.6047																	
ORB LEFT WING BOT	a = 601.65		.9720	3270		3850		2203		1649	20%7		7088				8767.	
AMES 11-073(0A148) -140A/B/C	.90190	BLE CP	.8870	6648 9489	8115	•	2847	•	2537	, , ,		2660	•	1 088	) )		1	3999
1041481	MACH	DEPENDENT VARIABLE CP	.7800	7819	7344		2678						2862	8500 1- 1018		5032		
5 11-073	-3.858 M	CCPENDE	.6730	8443 8273	6419		2333		2117	77.	2132			2955	8210	5.68. 5.68.		
AM	E- = (1		.5340	6769 6524	5451	3702	2273		1590	1 7 7 20	- 8049			3005	•.5556	m in i.		01 03 3
	BETA ( 1	SURF	.4270			2089		1862	, ,	). 1.	0932	8621			1763	t: 00 00	۳ بر س	10. 10.
	8 8JS	HING BOT	.3640	3480. 1780.	200		₹, •.	.0155	1351	1167		600	•		tree Min	<u> </u>		## ## ## ## ## ## ## ## ## ## ## ## ##
		C 11CEFT	. 2990	7450. 0000.	. 0035		0102		052c ·							2538	ti ti	) (1) (1) (1) (1) (1)
	ALPHA : 2	SECTION	2Y/84	× 20. 20. 20. 20. 20. 20. 20. 20. 20. 20.		្តិក្នុក ភូពិភូពិ	្រុក ខាត្ត ពិភាពមេន ពិភិបាល	n the first	ມ່າທ່າທ່າຍ ມານ ຕິເຊີ ພິເລີເລີ ຈີ	முற்ற செருவ செருத்	OM P	n o p N w G	( ) ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (		pra Fri	0. 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	្រៃមាន ព្រះប្រភព ព្រះប្រភព	in the second

PAGE 2823

TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

DATE 10 FEB 75

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DATE 10 FEB 76

<b>B</b> 0
B LEFT WING E
LEFT
ORB
-140A/B/C
11-073:041481
IMES 1
AME

					* 601.65 P * 1056.6 RN/L * 3.6047														
		.9720			ø		.9720	3453	7,67	1.3438	i	2420		1659		<del>2</del> 004		6954	
	RE CP	.8870		2653	.90190	CE CP	.8870	6739 8465	7305		3+05		2676		2160	1	2752		1.0922
	DEPENDENT VARIABLE CP	.7800	4828		# FQ	IT VARTAE	.7800	7594	5927		2428		2326				9000		6036 -1.0922
-3.868	DEPENDEN	.6730	4330	2255	.177 MACH	DEPENDENT VARIABLE CP	.6730	6964	4937		2176		203!		1565	2251		3123	
# - 4		.5340	4794		e		.5340	4972 4822	3722	2968	1974		1468		1380	2187			3091
BETA ( )	SURF	.4270	4408	3012	BETA (2)	SURF	.4270	.1706	1.0003	1337		1451	6	1606	0956	8721			1001
38 600	ING BOT	.3640	3363		010 86		.3640	1085	. וער י		. 1286	. 0692	0985	1			2054		
P.	DLEFT H	.2990		239+	0.	DILEFT WING BOT	. 2990	. 0000	.0184		.0143	e e	F6 *50 *						
ALPHA ( 2)	SECTION ( 1) LEFT WING BOT SURF	2Y/BW	X/CW .950 .953 .955	1.003	ALPHA ( 2)	SECTION (	2Y/8W	X/CW .010 .020	200 100 100 100 100 100 100 100 100 100	080 080 080 080 080 080 080 080 080 080	យុ ÷ ក យុ ភូមិ ឃុំ ក		ភាព ខា ប្លូក្ខិតិ ប្រុក្សិកិ	* 47 C	1000 17.7.	ស្តេច ភេព ស្តេច ស្តេ ស្តេ ស្តេច ស្តេ ស្តេ ស្តេ ស្តេ ស្តេ ស្តេ ស្តេ ស្	: 15.00 15.0	ີ່ ທີ່ໄດ້ ເກີດ ເກີດ	រា ទា ខ ស រា ម ! : ! !

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                    ORB LEFT WING BOT
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  TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )
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                AMES 11-073(0A148) -140A/B/C
                                                           .8870
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                                          DEPENDENT VARIABLE CP
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                                      SECTION ( 1) LEFT WING BOT SURF
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DATE 10 FEB 76
                          ALPHA ( 2) =
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                                                    2Y/BW
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ď	<b>83</b> )													•			RN/L		•	
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	ORB LEFT WING BOT																600.78			
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11-073-				.9720		2000		6603					3389				0		.9720	1037
8 ( AMES	-140A/B/		BLE CP	.8870	2240		2843			-1.0324				4082		2985	.90083	LE CP	.8870	. 1245 0328 0647
TABULATED PRESSURE DATA - DAI 48 ( AMES 11-073-1	AMES 11-07310A148) -140A/B/C		DEPENDENT VARIABLE CP	.7800				3150	! ! !	5886 -1.0324		4648			4303		MACH	DEPENDENT VARIABLE CP	.7800	.1081 0156 0433
SURE DAT	5 11-073	4.253	DEPENDE	.6730	1576	2358			3193	#66L -	}	4760			3637	2697	-3.869 M	DEPENDEN	.6730	.0138 0056 0538
TED PRES	AME			.5340	1345	2184			3117	5115		3885		4077	4436				.5340	0946 0353 0441
TABULA		BETA (3)	SURF	.4270	. 0941	8799				2027	5,792		4387	· · · •	4422	3192	TA ( 1)	SURF	.4270	.3962 .3376 .1641
		. 007 B	HING BOT	.3640			2024				2580	8850		4308	3658	3271	.005 9E	HING BOT	.3640	. 1859 . 1859 . 1954
9 76			DICET I	.2990								2885		5324		3081	. t	DILEFT W	.2990	.0000 .0000 .0587
DATE 10 FEB		ALPHA (2)	SECTION CIPLEFT MING BOT	2Y/BW	X/CW -400 -407		630 7.58.	050 07.8	ອຫຼອ ເວເບີ່ມ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ ເປັນ	507. 87.	ក្លុំ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/ ਵਲ: <b>5</b> 83:	1000 m 1000 m 1000 m 1000 m	0 0 <b>%</b>	ດ. ຄະດີ ຄະດີ ຄະດີ	ALPHA ( 3)	SECTION (	SY/BW	######################################

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3.5915

(XE81.59)

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ORB LEFT WING BOT
TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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DATE 10 FEB 76
                             ALPHA ( 3) =
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PAGE 2828		3.5915													•									
		RNIL																						
	(XEBL69)	1057.6																						
		•																						
		Q.																						
	ORB LEFT WING BOT	• 600.78																						
•		•		.9720	1959		2313		2027			2645		3125			6050					2655		
AMP C 11 - 0127 COURT OF THE CO	-140A/B/	. 90083	BLE CP	.8870	.1383	0526		į	. 0954		1280	•	1460	•	3160			9460				ř	3820	
	(B+140)		ULPLNULNI VARIABLE CP	. 7800	. 1413	0319		6	uzus		0565					3042		6837			4618		•	
260-11-5		E	DE PENDE	.6730	.0380	0193			9C00		0339		0451	1568		•	2987		8216		5131			
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )	
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ORB LEFT MING BOT AMES 11-07310A148) -140A/B/C

.9720 .8870 DEPENDENT VARIABLE CP .7800 .6730 .53+0 BETA (2) = .3540 .4270 SECTION ( 1) LEFT WING BOT SURF 4.002 . 2990 A. PHA ( 3) = 2Y/BH

-.4513 -.3586 -.3491

• 600.78 .90083 DEPENDENT VARIABLE CP 4.240 MACH -. 1913 BETA ( 3) = -. 2982 -. 2892 SECTION ( 1) LEFT WING BOT SURF 4.006 -. 2424 -. ALPHA (3) = X/CW .950 .953 .955 .955

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.8870 .7800 .6730 .5340 .4270 .3640 . 2990 2Y/BW

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-. 1601 -.1658 -.0473 −.0334 -.1364 6900. -.9356 .0402

-.7173 -.8563 -.2227 -.2107

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-.2813

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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )
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DATE 10 FEB 76

ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C ₩.006 ALPHA ( 3)

(XEBL69)

3.5857 Z 1058.8 800.Pt .9720 -.2821 .9720 -. 1987 .8870 .8879 .4670 .3592 -.3617 .89993 .2488 .1003 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP -3.869 MACH = .7800 -.3865 -.4946 -.4588 .7800 .2605 .508€ .3820 .1764 .6730 -.3530 -.6960 .6730 . <del>2699</del> . 1846 -. 2227 .3790 .5340 -.5152 -.4045 -.4294 .5340 . 4999 . 3769 . 1852 .2731 . 2224 BETA ( 1) = BETA ( 3) = -.4031 -.4038 .3640 .4270 -. 7966 -.4385 -.2797 .4270 .4145 .4694 .3809 . <del>2</del>646 . 1896 SECTION ( 1) LEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF -. 1921 -. 3238 .36+0 -. 1913 .0501 .1259 -.2981 -.4069 .2878 -.8875 .3308 .1887 ALPHA ( 4) = 7.976 .2990 -.5313 -.3063 -.2217 -.8621 . <del>299</del>0 -. 1546 . 2000 .0825 . C3+1 .1581 2Y/BW 2Y/84

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- 0A14	0A14B)		T VARIA	.7800				1897	- B185 - 1 0118	3		٠. ب 989			9777			
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ņ		7.97	34 1 1 1 3	.2930			·			'	18 <sup>4</sup> 5	•	.9045	.5163		9: :0 6: :0	7.978	
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(XEBL69)

AMES 11-07310A148) -140A/8/C ORB LEFT WING BOT

TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )

DATE 10 FEB 76

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(XEB. 69)

AMES 11-07310A148) -140A/B/C ORB LEFT WING BOT 3-1 TABUL DATE 10 FEB 76

.9720 -.3164 .8870 DEPENDENT VARIABLE CP . 7800 -.4468 -.3838 -.4340 .6730 -.2665 ∓ .γ. .5340 BETA ( 3) = -. 3763-. 4270 -.2508 SECTION : THEFT WING BOT SURF .36+0 ALPHA : 4: = 7.979 2992. -.3599 24 / BM

600.36 .9720 ø .8870 .90010 DEPENDENT VARIABLE CP -3.853 MACH = . 7800 .6733 .5340 ALPHA ( 5) = 11.950 BETA ( 1) \* .4270 SECTION 1 LLEFT WING BOT SURF 049E . . 2993

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-. 3566 -.2115 . 5055 .4157 . 5856 . 5550 . 44B4 . 5013 5482 .4603 .5717 .4690 4000 . 4.835 4.835 4.835 .4063 -.5524 -.:572 -.0281 .e. 39 (2000) (1000) (1000) -.0:88 24/84

3245 . 2295 .3349 . 25£3 .3290 .2670 . 3225 .2679 5515° . 2954 .0785 .2031

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	ORB LEFT WING BOT											• 600.36									
11-073-				.9720				5427				a		.9720	-, 4999		. J. 09.	2183			1827
PRESSURE DATA - OAI+8 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		BLE CP	.8870	. ри .	#			8188		4371	.90810	LE CP	.8870	. 432: . 433:	.3690	•	. 2026		88 ::	ŕ
TA - 0A14	3(0A14B)		DEPENDENT VARIABLE CP	.7800			-1.0138			6488		MACH	DEPENDENT VARIABLE CP	.7600	.4803	7114.		.3022		.2097	
SSURE DAT	11-07	-3.853	3CN3d30	.6730	8876		6895 -1.0138			4828	3745	. 189	DEPENDEN	.6730	. 5265 . 5125	.4384		.3167		.2343	
	And	• = =		.5340	7764		5482		086 <del>1</del>	4743		•		.5340	.5484 .5309	37.44.	3951	.3157		40.49	
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		11.950 8	WINC BOT	. 36+0	- 1508	3	1+06		6540	•			EOT	.3540	1.4.1.8 1.6.1.1.8 1.6.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	•	1891.	5 0 1 1 1	<b>D</b>	وء''ج و	בני ה ה
9 76 9 76		p	I ILEFT HING	. 2930		1897		9187	6103		2891	= 11.955	THEFT HING	.2993	1,52	1205	t n c	) )	1911		
DATE 10 FEB		ALPHA : 53	SECTION (	27 / B4	X/CH 775 798		ត្ត ភូមិ ភូមិ ភូមិ ភូមិ		က် ရဲ့ ရှဲ့ ရှဲ့ ယူ ငာ ကြ က	ក្នុស្តា មួយ មាន	1	ALPMA : 51	SECTION	27.84	\$ 000 300 300 300 300 300 300 300 300 300		3664	 ភូមិស្រ ភូមិស្រ	) ( (f) ) ( (f) (	tires y	u t ( ) f th fr) tr)

TABULA TABULA	PRES	)A148 ( AMES 18) -140A/B/(	11-073-1 : ORB LE	-073-1 ) ORB LEFT WING BOT		(XEBT83)
# ຄົ	. 189 DEPENDENT VARIABLE CP	RIABLE CP				
ij	.5340 .6730 .7800	008. 008	.9720			
.0381	. 1543 	.0246	2566			
	1487	1865	e e e			
1515	1825	?+9930\$				
8728	9047					
6370	7035 -1.0049	<b>6</b>	6068			
4887		8257				
4727	46896437	÷37				
	3863	4737				
BETA ( 3) = 4.	4.250 MACH	.90010	ø	€ 600.36 P	•	1058.5 RN/L
	DEPENDENT VARIABLE CP	ARTABLE CP				
04570 .5340	. 6730	0788. 0087.	.9720			
2070 .4421 .0952 .4603	. 4257 . 4451	.3546 .2980 .4217 .3463	6648			
.3486	. 3998 . <del>3</del>	.3653 .3150	4800			

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TABULATED PRESSURE DATA - CAINB ( AMES 11-073-1 )
DATE 10 FEB 75
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•	ORB LEFT MING BOT		
	AMES 11-07310A1481 -140A/B/C ORB LEFT MING BOT	4.260	DEPENDENT VARIABLE CP
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		BETA	BOT SURF
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.4270	.3290	.2851	
. 3640	.1023	.3094	
. 2993	0657		•
2Y/B%	180. 180.		) (

2625 -.3110 -.2130 -.0045 .0892 . 1902 .2121 .1347 -.0023 . 2273 .026+ .1470 -.6001 .2364 .1787 .2375 . 2241

-.8570 -.9413 -. 1628 -.6155 -.7070 -1.0118 -.1963 -.9036 -.9299 -.1536 -.1710 -.8302 -1.0183 . G292 -. 164B -.8394 -. 1992

-.50:6 -.4523 -.5702 -.3529 -.5073 -. 5277 -.3705 1.03301 - 40 10 10 10 -.3759 - . - 6855 -,583-- 86A7

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## TABULATED PRESSURE DATA - DAING ( AMES 11-073-1 )

PAGE 2838

ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C

- 4.8517 55.600 -10.000 .600 05 AUG 75 3 SPOE-K L-ELVN MACH **7**% PARAMETRIC DATA (XEBL70) 2387.0 .000 22.500 -10.000 RUDDER = BOFLAP = R-ELVN = **a** 59. .81 .9720 -.7055 -1.1788 -2.0902 -1.7182 -1.6205 -1.4637 -.6216 -1.2394 -1.8723 -1.6193 -1.3147 -1.3076 -1.2154 -.5723 -1.0512 -1.1282 -.4162 -.5111 .8870 -1.0354 -1.2456 -1.2073 -1.1429 -.7460 -.5070 DEPENDENT VARIABLE CP 008: -.7262 -.4870 -7.852 MACH 1076.3800 IN. XO .0000 IN. YO 375.0000 IN. ZO .6730 -.5922 -. 4299 -.3556 -.5219 .5340 -.75.39 BETA ( 1) \* -.: 33 -.3079 .4270 X X X Y Y R P G R Y Y R P SECTION ( 1) LEFT WING BOT SURF REFERENCE DATA 2590.0000 SQ.FT. 474.8000 IN. 936.0580 IN. -.3636 .3540 -.2724 - + 50gF -3.940 -.3150 . 2930 -.2573 -.2372 -. 1901 ALP44 ( 1) = BREF SCALE R 24/BM

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4.8517
                 (XEBL_70)
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                 ORB LEFT WING BOT
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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              AMES 11-073(0A148) -140A/B/C
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                                          DEPENDENT VARIABLE CP
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7. CB-48

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27 E 10 FEB 76

(XEB. 70)

ORB LEFT WING BOT AMES 11-073(0A148) -140A/8/C

Z 2396.8 593.03 -.2625 -.1718 .9720 -.3176 -.1770 .8870 -.3313 -.2028 -.5377 .59578 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP -.6437 .7800 -. 3426 -.1117 -7.898 MACH .6730 -.3382 -.2763 -.1988 -.0880 -.1555 -.2338 -.4934 8.306 -.1416 -.4243 すびなな・・ .5340 -.2103 -.2936 -. 3811 BETA ( 1) = BETA : 53 -. 1832 -.1113 .4270 -.2730 -.3585 -.2916 -.0918 -.3153 -.6859 SECTION CITTER MING BOT SURF SECTION . THEFT WING BOT SURF .36+0 -.1663 -. 1949 -.2656 -. 3684 -.3578 -.5331 4.000 .05; . 2593 -.3935 -. 3283 -.5877 -. 3335 A .. PHA ( 2) = R. Frish C P. 24.70

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(XEBL 78)

11-073-1 )	C ORB LEFT WING BOT			. 9720		1407		-, 1438	1. 284.50			3713					15+9				
I CAMES	-140A/B/C		LE CP	.8870	0922		1077		1.363		3290		5665					1885			.0055
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B 76		÷	11CEFT	.2990	9140.		Brita.								}	5 5 7		3035		!	0800 -
DATE 10 FEB		ALPHA (3)	SECTION (	2478%	30 /× 100 0	rei:	ភ្នំសុំសុំត វា សុខភ	т III СТ ( 1 СТ (П) 1 СТ (П)	# W C C C C C C C	1 C (1) 1 C (1) 1 C (1) 1 C (1)	ល់ ពិធី ពិធី	1000 0700 0700	in co	្ត ទីពី ទីពី	- 40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6			11 (1) (1) (1) (1) (1) (1) (1) (1) (1)	យ្ឌ ជា ៤ យៈ បា បា យៈ បា ប	្តមាល មានមាន មានប្រកាស	#1 (1) (1) (1) (1) (2)

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	ANCS 11-0/5(0A148) -140A/9/C	MACH #	DEPENDENT VARIABLE CP	.7800	.0872 0520	+.080		0505			- 6480		•		•	3365		7857 -			3483		·	
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PAGE 2853							* 4.8456													
	(XEBL70)						P = 2386.8 RN/L													
1-073-1 )	ORB LEFT WING BOT			.9720			0 = 593.03		.9720	-, 1123	200 E		1676			- 1829		000	3416	
PRESSURE DATA - 0A148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	-3.861	DEPENDENT VARIABLE CP	0788. 0087. 0573.	26730988	0235	.182 MACH = .59578	DEPENDENT VARIABLE CP	0788. 0087. 0573.	.0368 .1062 .0938 .004901000354	035406370866		035504221004		064009171151		2060	2021		
10 FEB 76 TABULATED PRES	AM	= 4.002 BETA (2) =	C TILEFT WING BOT SURF	0453. 0754. 0455. 0565.	2041	1301	) = 4.000 BETA (3) =	( 1) LEFT WING BOT SURF	0425. 0754. 045E. 0965.			+5.043. 3650.	.01710404	. 0410	.045603560411	020	078	1696	. 1565	3039
DATE 10 FE		A_Did. ( 3)	SECTION.	84/B#	X/CH . 953 . 953 . 955	.965	ALPHA (3)	SECTION	2Y/8W	X/CW .010 .020	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	. 080 190 190	. 150 150	163	ម្រ មាន	3.3. 3.3. 3.30 3.30	004.		58. 680. 678.	ល្អក្នុក ១៧,១១ ១៤,១១ ១៣,១១

DATE 10 FEB 76

(XE8L70)

EX. 2386.8 593.03 .9720 -.1510 -.2115 -.0112 .59578 .8870 DEPENDENT VARIABLE CP 4.239 MACH . .7800 -.4877 -.4239 -.3728 -.2177 -.1080 .6730 -.0341 -.5419 -.2296 .5340 -.6199 -. 3599 BETA ( 4) = -.3673 -.2693 -.1660 -.7433 -.0561 .4270 SECTION CITLEFT MING BOT SURF .36'10 -.2432 -. 1421 -. 3599 -.5112 -.3395 ALPHA ( 3) = 4.003 .2990 -.5532 -.3670 -.2149 -.3052 27 /BH

-. 1997 .0507 .8870 DEPENDENT VARIABLE CP .7800 .0511 .6730 .5340 .4270 SECTION ( 1) LEFT WING BOT SURF .3540 .2990

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•	ORB LEFT WING BOT															* 593.83					
TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )				.9720		2830	- 2170					1290				ø		.97?	3042	2772	
( AMES	140A/B/C		LE CP	.8870	1525	1007		*.6104					1748		.0033	.59578	LE CP	.8870	.1551	0229	
- 0A148	AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	.7800			3323	7057			3697			+.099⁴		MACH	DEPENDENT VARIABLE CP	.7800	.1779	.0092	
SURE DATA	3 11-073	4.239	DEPENDEN	.6730	0858	1885		3811	5105		3863			1801	0544	8.292 M	DEPENDE	.6730	. 1467	. 0392	
red Press	AMES			.5340	0739	1660		2975	5660		4650		3565	2190		•		.5340	.2188 .1218	.0597	. 0259
TABULA		TA CH	SURF	.4270	0382	2440			3060	7269	i i	1000-	2803	1553	0670	TA ( 5)	SURF	. 4270	1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	) :	
		.03 BE	WING BOT	36+0			1507		İ	3531	1164		3+58	2568	1519	38 600.	WING BCT	3840	3375	•	
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DATE 10 FEB		ALFIAR ( 3)	SECTION CINEET	2478W	M2/X 004.	<b>ນ</b> ຕຸດ ພຸດທີ່ ພຸດທີ່ ພຸດທີ່	5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	760 277.	. 798 . 808	# # # # # # # # # # # # # # # # # # #	දිසින් දිසින්	679. 009.	615. 616. 816.	. 958 . 959 1.000	ALPHA ( 3)	SECTION (	<b>₹</b> 8/√2	800 800 X	7 <b>0</b> 0 0	080

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0A148 ( AMES 11-073-1 )	ORB LEFT WING BOT			.9720		228↓		2241	**************************************			6949					1103				
( AMES	-140A/B/C		e CP	.8870			1164	į	1614	7157			5868					1564			0027
			DEPENDENT VARIABLE	.7800			0724				3275		6556			3519			1019		
TABULATED PRESSURE DATA	AMES 11-073(0A148)	8.292	DEPENDEN	.6730			0489		0923	1907		3718		4910		3572			1570		0442
ED PRESS	AMES	u		.5340		0005	0231		0783	1616			2955	6352		+9++··		2945s	1728		
TABULAT		BETA (5)	SURF	.4270	8770.	.0227	0		0458	3029				3136	7051		358:	c t	cosu	:526	0596
			WING BOT	.3640	. 0596	. 1263	. soe	0:39			1425				3592	4.10.1		3583	2686	1632	
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TABULATED PRESSURE DATA - OAIHB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT
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:B: 701 - 2386.4 593.97 O -7.890 MACH = .59630 DEPENDENT VARIABLE CP BETA ( 1) # SECTION CITILEFT WING BOT SURF .36+0 7.945 . 2990 A CA C ANTA 2Y/B4

.9720 -.1321 .8870 .5140 .3924 . 7800 .5304 .6730 . 4498 . 3665 .5340 .439t .4270 .4133 .4288 .2963

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83, 0: 3, 43	9.76		TABULA	TED PRES	SURE DATA	1 - 0A146	3 ( AMES	TABULATED PRESSURE DATA - OAIH8 ( AMES 11-073-1				•	PAG
				AMES	AMES 11-073(0A148) -140A/B/C	OA148)	-140A/B/C		ORB LEFT WING BOT		(XEBL.70)	6	
ALE-A ( 4)	11	348	BETA ( 1)	4	-7.890								
SECTION (	1:LEFT	HINS BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	3LE CP						
2Y/B%	. 2990	.3640	.4270	.5340	.6730	. 7800	.8870	.9720					
X X B B B B B B B B B B B B B B B B B B	9 9 9	0833	0846	0997	2764	0866							
1000			£100.		.0136		0077						
ALPHA ( 4)	u	7.955 81	BETA (2)		-3.860 MA	MACH #	. 59630	σ	<b>- 593.97</b>	<b>α</b> .	• 2386.4	RN/L	
SECTION	1)[[F]	WING BOT	SURF		DEFENDEN	DEFENDENT VARIABLE CP	PLE CP						
24/64	. 2993	.36+0	.4270	. 53±0	.6730	.7800	.8870	.972ñ					
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

DATE 10 FEB 76

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SECTION : INLEFT WING BOT SURF

(XEBL.70) ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C DEPENDENT VARIABLE CP

593.97 .9720 .59630 -.0218 .7800 -.1120 -.2223 -.0939 .181 MACH .6730 -.4167 .0067 -.5173 .5340 -.4782 -.7734 -.c.696 BETA ( 3) -. 0959 .4270 -.3520 -. 2089 **TSTT.**--.01% .35+0 -.3358 -. 2024 -.1133 -. 3050 7.955 . 2390 -.5103 -. 1422 -.2729 -. 3233 24/87

.9720 -.4567 .8870 .3884 .3228 DEPENDENT VARIABLE CR . 7800 .4249 .3469 .6730 .4004 .3465 .5340 .4252 .4270 SECTION : 1 DLEFT MING BOT SURF 3540 2990 -. 3502 . 0000 ALPHA ( 4) 2Y/BW

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(XE8L70)													- 2366.4 PN/L 4 1,8482					
ORB LEFT WING BOT			Ę,		<b>1</b>	P)				n			* 593.97 P		9	ıΩ	Ō	
			0 .972c			3473			ļ	1728		ď	o g		0.9720	.7 .6536	6474	
-140A/		BLE CP	.8870	0919	47.00		6369			1831		0352	.59630	IBLE CP	.8870	.3047	7.1977	
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AMES 11-073(0A148) -140A/B/C	181	DEPENDENT VARIABLE CR	.6730	0383	1370		3+99	-, 4899	8,24		- 1922	:600:	4.234 K	DEPENDENT VARIABLE CP	.6730	.3603	. 2366	
53.4Y			.5340	. 0083	1069		2978	8196	- , 455£	2545	9 				.5340	.3750 57:5.	.2228	. 1697
	TA (3)	SURF	£754.	.0358	-, 2521			MOOM	7853	;	2348 : :69	3244	TA ( 4)	Supr	5754.	. 0190 		
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-140	59	ABLE							表表		1229		30 <del>9</del> -		6251			;	/g
AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	.7800	84.5. 8175.	. 1930		. 1020		.0220				3071		6680		3567		
1-073	) MACH	PENDEN	.6730	.2899	.2153		. 1111		. <b>0</b> *00		0193	1450	·	W-7t	. 7074	•	3351		
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	BETA ( 5)	SURF	.4270	2318	CCB1.	. 1619		.1143		.0738	. 0233	3016			3151	7645	385¥		2485
			. 36+0	6220		7000	•	.1577	.0729		. הפת		1021			3522	5258	35b4	2758
	7.954	I ILEFT WING BOT	.2930	7309	2580		1429		6699	•						5782		.5768	•
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PACE 2863							80.4 · 1/84														
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:-073-1	ORB LEFT WING BOT			3279.			Q * 593.15 P		.9720	8482		4830		2520		6.1349		3105		3820	
PPESSURE DATA - 0A148 ( AMES 11-073-1	AMES 11-073(0A148) -140A/B/C		LE CP	. 8870		0209	.59584	LE CP	. 8870	.3685	.4486	i	.2042	i	.1115		0019		2530	ï	6341
4 - 0A148	(0A14B) -		DEPENDENT VARIABLE CP	.7830	1.0971			DEFENDENT VARIABLE CP	.7800	.5069	1624.		.2827		.1708		•		, G:		6832 -
5.JRE DA7.	5 11-073	8.280	DEPENDEA	.6730	1582	0348	-7.848 MACH	DEPENDEN	.6730	.5129 .5749	.4567		.2807		. 1877		9160.	2508	·	- 2909	•
	ŭj vi	a)		.5340	1271		) = -7.		.5340	.5117 4703.	<b>5115</b> .	.3+00	.2589		.2113		1811.	0255		น น น เ	
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io m		1	1 1 2 2 2 1 1	.2990		3640 -		11LEFT 4	.2993	. 2993 3550	16+0*-		1241.		. 1920						
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TABULATED PRESSURE DATA - OAIH8 ( AMES 11-073-1 )

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5												<b>e.</b> In									
HING B												• 593.15									
ORB LEFT WING BOT			0216.			1.2737						0		.9720	8385	7 <del>8</del> 84		1			2010
0A/B/C		8	. 8870			ř		2267		•	0393	. 5958+	<b>8</b>	. 9870	.3720 .4+98	.3969		2040		.1125	1
41- (841		VARIAELE	. 780ņ		Ç	Bnor Oc		i	0989				VARIABLE	. 7800	. 5072	. 595+.		. 2838		. 1728	
AMES 11-073(0A148) -140A/B/C	æ	DEPENDENT VARIABLE CP	. 6730	4257					2273		in	31 MACH	DEPENDENT VARIABLE CP	.6730		. 4455		. 2790		. 1888	
AMES 1	■ -7.848	H	. 5340	.8619	;			.2151	. 0986		'n	-3.85:	ដ	. 5340	5074 5031	. 4704.	.33+3	.2565		. 1972	
	1 1	SURF	.4270	•	7531	- 3145 -		1713		. פינע פינע	.0136	, n	SURF	.4270	87.50 87.60	ų n	.3305		.2467		
	25 BETA	MING BOT 9	.3640	3018	·	•	2722		6071	. 5.69.2		9+2 BE	4114G BOT 9	3492	.8554 .8081	) 	e: O		.3256	.2159	1271.
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A - 0A148	
148JLATED PRESSURE DATA - OATHB ( AMES 11-073-1 )	
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AMES 11-073(0A148) -140A/B/C 098 LEFT WING BOT			.9720		3131
MOA/B:C		E CP	.8870	.0031	•
41487 -1		VARIABL	.7800		
::-073:0	ü	DEPENDENT VARIABLE CP	.6730	.0927	
ម ព្រ	-3.8	a	.5340	7260. 5401.	
	TA (2)	SURF.	3640 . 4270 . 5340 . 6730 . 7800 . 8870		. 1320
	.38 27	TOB SMI	.3643		
	D-11	1)LEFT W	. 2993		
	A_PHA ( 5) = 11.942 BETA ( 2) = -3.851	SECTION : INLEFT WING BOT SUPP	2Y/8%	80.X	404. WCR

-.2735 -.3790 -.0425 -.2536 -. 2244 -.6795 -.6361 -.4209 -.4052 -.3514 -.0915 -.2311 -.0984 -.2+71 -.0228 -.2937 -.0613 -.8472 -.4283 -.2192 1750.--.2555+ -.2039 -.0357 -,0096 -.3413 -.7782 -.2851 -.2701 -.::65 -.2126 -. 3040 -.3102 -.0287 1974.-- 3524 -,4835 -. 1631 -.2381

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PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(04148) -140A/B/C ORB LEFT WING BOT (XEBL70)	4.245 MACH = .59584 0 = 593.15 P = 2385.7 RN/L =	DEFENDENT VARIABLE CP	0578 . 0188 . 0187 . 0575	1861 .1232 .0714 1825 .3276 .2486 ~1.2596	.3288 .2761	8038		342 .2242 .12553552	:	. 1269 . 0523	3051 5750549	3633565	6,88.9		66806384	e th	203780	2423	
	<b>=</b>																			
	ING BC	593.15																		
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11-073-1	1 BB0 0	o		.9720	-1.2596		8038		3552			3051	3565		.3694				2423	
B ( AMES	-140A/B/	.59584	BLE CP	.8870	.0714 .8849.	.2761			. 1255		. 0523	0549		2849		6384			•	d i
4 - 0A14	(0A14B)		NT VARIA	.7800	. 3276	. 3288			5 <del>7</del> 55.	:	. 1269			- 2807				3780		
E DAT	S 11-073	. 245 M	DEFENDE	.6730	. 2625	.3549		į	. 2342	;	. 1476	.0575	0883		3280		4642	3520		
SUR	Ĕ	*		.5340	.2819 .3622	.3346	.2840	č	¥ 7		. 1508	.0766	0470		č		8878	4432		2
_		7		0	200	D C	0000	9604	. 2082		.1650	5	2762			1988 8			0 0 0 0 0	
TABULATED PRESSUR		£	SURF	.4270	4762	ņ														
_		£	WING BOT SURF	.3640 .427	74 969847 591207	7/ -		0027	.2330	. 1640		表:		0381			3192		en En	)

AMES 11-073(0A148) -140A/B/C

4.245

BETA ( 4) =

1..942

ALPHA ( 5) =

(XEBL70)

ORB LEFT WING BOT

					17 - 17 MG	•		<b></b> .		•••			, may 150 1					R, B			
					7 382.0																
					- 593.15 p																
		.9720			œ		.9720	1.4133		9318			- 3938		3463		3669	v		- 46t	
	BLE CP	.8870		0622	. 59584	BLE CP	.8870	1060 .1245 -1.4133	.2013			. 0911		7100		0727	•	2820		•	6215
	DEPENDENT VARIABLE CP	.7800	1291		#CH =	DEPENDENT VARIABLE CP	.7800	0846	.2640			. 1958		190					2799		6345
	DEPENDE	.6730	1930	0267	8.309 MACH	DEPENDE	.6730	.1379	. 2953			.2061		1297		.0451	0910		•	3214	•
		.5340	1265				.5340	.1158	. 2853	. የተተ 1		. 1869		.1373		.0615	0549			. 2825	
Ç	<b>1</b>	.4270	1224	.0006	DETA (5)	SURF	.4270	7038 2649		.2133			. 1921		. 1519	. 0862	CB15.	3		•	12051
700 0000		.3640	1620			DILEFT WING BOT	.3640	7201 6280 5118			0920		. 1719	. 1281	Ċ	1631.	•	1000			•
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TOTAL SELECT SECULATION OF THE SECULATION OF THE SECULATION OF THE SECULATION OF THE SECULATION OF THE SECURATION OF THE SECULATION OF THE SECURATION OF THE		SY/BW	X/CW .950 .953 .953	1.000	ALPHA (5)	SECTION (	2Y/8W		070. 683.	080. 180.	9 4 6	. 157	.163 .771	14.00 14.00 14.00	24.6 24.6 24.6 24.6 24.6 24.6 24.6 24.	)   0 0 0   0 0 0	ari Banga Banga	.630	.650	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	24. 25.4.



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(XEBL.70)

ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C 8.309 ALPHA (5) = 11.935 BETA (5) =

DEPENDENT VARIABLE CP .7800 .6730 .5340 .3640 .4270 SECTION ( 1) LEFT WING BOT SURF . 2990 2Y/BW

-.4408 -.8932 -. 7588 -.3192

-.3790 -.4106 -.3371 -.5156 -.2683

-.2288 -.3843 -. 3603

-.2261

-.1431 -.1885 -.1447 -.2477 -. 1217 -.2530 -.2743 -.1719 -.5524 -.3839 -.4003 .. 0582

-.0626

-.0123

	10111072E0-11 33MA					
	3/8/V0+1- (8+1V0) C/0-11 C3/V	-140A/B/C	OKB LEFT WING BOT	(XEBL71)	(XEBL71) ( 05 AUG 75 )	
DATA				DADAMETER CATA		

Fig.   Fig.		REFERENCE DATA	ATA					) ) )	- }			PARAMETRIC D	DATA	S/ SON SO 1
1   1   1   1   1   2   2   2   2   2	••	S. N.	XMRP YMRP ZMRP		.6800 IN .0000 IN	999 848						-5.000 16.300 -10.000		55.00 -10.00 1.40
	=		-	n			1.3971	ø		600.47	Q.		RN/L	
- 1526 - 2337 - 1326 - 4076 - 5355 - 4080 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1869 - 1866 - 1869 -	_	MING BOT	r SURF		DEPENDE		BLE CP					•		
1356 2357 1356 1669 166	.2990	. 3640	.4270	.5340		.7800	.8870	.9720						
- 1526 - 4334 4410 - 4267 - 4400 - 4334 - 4034	1	2397 2319				2161	1869 4015	4513						
105216803975389739431058397538431058357535481141410583575356835683558356835683575356835583568356835683568356835683575351103110311031103110311031103110311031103110311031103361	1			ı		4406	+554							
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1175 1669 4076 4114		!		•	3361	4168	5298							
4414 E574	288	1175	4739											
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           (XEBL71)
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            AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT
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TABULATED PRESSURE DATA - 04148 ( AMES 11-073-1 )
                                                                                                                                                                                                                                                                                                                              -.4670
                                                                               -.6018
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                                       DEPENDENT VARIABLE CP
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                                                       .7800
                                                                                                                       -.2843 -.4082 -.3091
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                                                                                                                                                                  BETA ( 2) =
                             BETA ( 1)
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-.1182
-.1723
                                                       .4270
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                                                                           1244.-
                                                                                                            -.3451
                                                                                                                                                                              SECTION ( 1) LEFT WING BOT SURF
                                         SECTION CITEFF WING BOT SURF
                                                        .3640
                                                                                                                                     -.2277
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-.1131
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                                                                                                                                                                                                                                                                                                             -.0735
                             A_FHA ( 1) = -3.946
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. 0000
                                                        . 2990
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                                                                                                                                                                                             .2990
                                                                                                      -. 3053
                                                                                                                                              -. 3958
                                                                                         -.4182
  DATE 10 FEB 76
                                                                                                                                                                    ALPHA ( 1) =
                                                          27 / BW
                                                                                                                                                                                              2Y/8W
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DATE 10 FEB 76		TABULA	TED PRES	SURE DAT	A - 0A146	TABULATED PRESSURE DATA - DATH8 ( AMES 11-073-1 )	11-073-1	,		Ş	62	PAG
			AME	5 11-075	. (84140)	AMES 11-073(0A148) -140A/8/C		OKE LEFT WING BOT		175	F 73	
ALPHA ( 1) = -3.	-3.940 B	BETA ( 2)		.190								
SECTION ( 1) LEFT	WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
2Y/8W .2990	3640	.4270	.5340	.6730	.7800	.887¢	.9720			د.		
X/CH .637 .650	0761				1765					<i>!</i>		
.670 .700				1629			5426 -					
. 78 <b>5</b> . 780 			1537		.3791	5241						
. 755 . 775 	i	1123	3753	3133								
. 738 . P09 . F34 1380	t/01.	4706										
.839 .850	3984	0191	4725	+304	475¥							
. 1987. 1888. 1888.		2					6173					
.9003096	+S1+		4837			4226						
ស្តិ ស្តិ ស្តិ	4081	DB#+	c c	2	Ü							
	2961	3087	. 3060		9000							
<b>9</b> 55 <b>4393</b> 000		2238		2203		2804			•			
ALPHA ( 1) = -3.	-3.946 BI	BETA ( 3)		4.272 M	MACH .	1.3971	<b>o</b>	- 600.47	٥	* 439.47		FR/A
SECTION ( :)LEFT	WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	RE CP						
24/8W .2990	.36+0	.4270	5340	.6730	. 7800	.8870	.9720					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
x/CH0757	0295 0452	.0482 .0145	2621 3880	3824 4231	2950 4532	2745 4586	5218					
0500749	1650.	61/0.	3475	444	4784	4857	1 to 1					
1000 1000 1000 1000 1000 1000 1000 100		1.09-1	3332				3 -					
	0034		1784	3797	4169	•. 4 365						
157	.0513						3129					
												_

- 2.9096

20 500 6

ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C

DEPENDENT VARIABLE CP .7800 .6730 4.272 .5340 BETA ( 3) .3540 .4270 SECTION ( 1) LEFT WING BOT SURF ALPHA ( !) = -3.946 .2990 2Y/BW

-.3912 -.3317 -.3505 -.3617 -.4027 -.1317 -.1755 -.1050 -.1276 -.:005 -.0873 -.3125 -. 0960 -.0891 -.0827 -.0612 -.0421 -. 0624 -.0527

あまで -. 3564 -. 1422 -. 1404

-.5058

-.4651 -.3690 -.4643

-.1569

-.4642 -.3971 -.4413 -. 3905 +.004.-

ナー・エー -. 3024 -.4766 -.4375 -. 2992 -.3957 -. 3976 -.3133

-.8094

(XEBL71)

-.4725

-. 3625

-. 2243

-.2131

PAGE 2874	ING BOT (XEBL71)	600.47 P + 438.47 RN/L - 2.9088		,		,																		
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	ORB LEFT WING BOT			.9720	2173	!	. 2430 25430		Ş	1797			1702		1631			3935					4066	
B C AMES	AMES 11-073(0A148) -140A/B/C	1.3971	BLE CP	.8870	0206	2750			2223	•		1904		1469	•	1145		•	3850				•	
A - 0A14	(84140)		DEPENDENT VARIABLE CP	.7800	1075	2704			2003			1570					0881		- 3541			4463		
SURE DAT.	5 11-073	-3.873 MACH	DEPENDE	.6730	1793	2360			1817			1365		0473	0462			1097		3197		3606		
TED PRES	AME			53+0	0853	2209	1772		1230			0502		0607	0369				/ pe n · .	3285		8444		
TABULA		BETA ( 1)	SURF	.4270	. 1550	.0139		0373		1 0403		19484		0459		5435 				365 1.	£414		4162	
		.016 86	TING BOT	36+0	.0142 0160	0183		.0266		.0980	0167		0347				0236			0400		387¥		
DATE 10 FEB 76			THEFT WING BOT	. 2990	+.0054 .0300			1	0476		0415										-,1301			20K2
158		â	SECTION (									Si k								5 K &				ממ

PACE 2875

N N (XEBL 71) 439.47 ORB LEFT WING BOT 600.47 TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 ) -.2607 .9720 .9720 -.2479 -.0809 -.3752 0 AMES 11-073(0A148) -140A/B/C -.0662 .8870 .8870 .180 MACH = 1.3971 -.1899 -.2676 -.2980 -.0770 -.1336 -.1762 -.2183 -.1140 -.1897 -.0651 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .6730 .7800 -.1406 .7800 -. 347t -.3546 -. 1969 .6730 -.2615 -.3649 -.0346 -.0531 -.2160 -.0367 -.0281 -.0886 -3.873 .5340 -.0787 -.1038 -.0190 -. 1064 .5340 -.0341 .016 BETA ( 1) = .022 BETA ( 2) = -.2371 .2590 .3540 .4270 -.1749 .0093 -.0235 .2488 .2213 .0732 -.0152 0.2990 .3640 .4270 -.3591 SECTION 1 DILEFT WING BOT SURF SCOTICH I THEFT WING BOT SURF .0480 ..0033 .0152 -.0055 -.0052 0000. -.3802 -. 0412 -.0433 -.0232 DATE 10 FEB 75 ALPHA ( 2) # 5 ) 4He74 27/84 2Y/B.

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DATE 10 FEB 76

									RN/L								
(XEBL71)									438.47								
									<b>.</b>								
ORB LEFT WING BOT									600.47								
			.9720		3790				•		.9720	1913	1825		1546		0677
AMES 11-073(0A148) -140A/B/C		BLE CP	.8870			4662		2483	1.3971	BLE CP	.8870	0919 2940	2862		2011	! ! !	0706
3(04148)		DEPENDENT VARIABLE CP	. 7800		4386		2707		MACH	DEPENDENT VARIABLE CP	.7900	1683 2445	2319		1336		043!
ES 11-07	. 180	DEPEND	.6730	3207	3466		3843	2061	4.248 M	DEPENDE	.6730	1728	1843		077 <i>2</i>		0408
¥	• 6		.5340	3286	4383	4638	2671		3) = 4		.5340	0213	0739	0562	0392		0163
	BETA ( 2)	T SURF	.4270	<del>4</del> .066	1114	1.4624	2571	1861	BETA ( 3	SURF	.4270	.2664 7525 5411	!	ታልተር .		. COG.	.0120
	. 020	WING 80	. 3640	•	58/6·	3938	2886		018 8	DLEFT WING BOT	. 36+0	7.0622 7.03*8		.0430	1167	.0237	.0132
	•	: DILEFT	. 2990	1153	- 72F	- 2526	1604.			DEFT	. 2990	375g .000g	0537	1		0515	
	ALPHA ( 2)	SECTION ( 1) LEFT WING BOT	2Y/BW	X/CH .775 .798 .808 .834	្តិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូម	8.000 0.000 0.000 0.000		1.033	ALPHA ( 2)	SECTION	2Y./B%	010. 2010.	0.0 0.0	8 8 8 8 8 8	0011 0011	69.49.	25.00 25.00

2.9088

PACE 2877														- 2.3092					
	WEST 11													- 440.18 RN/L					
1 )	טעם בריי אואס פטן													= 600.56 P					
11-073-1			.9720		0847	3000				Ş	/Bcc			ø		.9720	.0882	.0556	}
t AMES	70/0/40+1	LE CP	.8870	054 <b>6</b>		0622	- 2766				4492		2097	1.3951	E CP	.8870	1931 1951	.0307	
- 0A148		T VARIAB	. 7800			0562	<u> </u>			4277	·	2453	·	*	T VARIAB	.7800	.0903	. 0228	
D PRESSURE DATA - DAIMB ( AMES 11-073-1 )	£3 11-0/31 4.248	DEPENDENT VARIABLE CP	.6730	0147	0101	•	0760	3261		3323		3890	1987	-3.877 MACH	DEPENDENT VARIABLE CP	.6730	.1838	o:30.	
ED PRESS	n		.5340	0075	0064		0769	3258		4293	4612	2639				D+88.	. 2540 . 1770	. CB3.	.0530
TABULATE	BETA (3)	SURF	.4270	0004	3404			0930	4112	4102	1944.	2570	1862	BETA ( 1)	Super	5784°		12 13 13 13 13	
	36 810	WING 801	.3643			6700.		Ş	UBCR	3650	3693	3548		.95: BE	WING BOT	33.43	# ## (# ## (# ## ) ## (## ) #	n 1	
87. E		THEFT W	. 2990						1103		3693		+1++	9. N	tiler M	th th th	#10 #10 110	Ċ,	
DATE 10 FEB	ALPHA (2)	SECTION (	2Y/84	007. 207.	ທີ່ ທີ່ທີ່ ພິດທີ່ ພິດທີ່	ត់ ភូមិ ភូមិ ភូមិ		25. 25. 20. 20.	9.00 9.00 9.00	629. 629. 778. 778.	ក់ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	ត្ត : ១ : ១ : ១ : ១ : ១ : ១ : ១ : ១ : ១ : ១		ALPHA (S)	SECT : Ch. /	\$ a \alpha	00. (00. ()		66.0

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E NG
LEFT
920
-140A/B/C
11-073(04148)
AMES

		.9720		<del>-</del> .0626		. 0329	. 6050		3598			:	 		
	SLE CP	.6870	60	3 9 9 9	.0677	.0606		.0111		3210					3669
	DEPENDENT VARIABLE CP	. 7800	9	900.	. 0860			1974		3017		3952		4589	
-3.877	DEPENDEN	.6730	ğ		.0735	. 0806	.0870		0154	3354		2990		-, 3808	2379
		.5340	9	<b>5</b> 000.	.0761	.0690	.0728		0128	3104		4884	8784		
BETA ( 1)	SURF	.4270	. 1258	÷980.	.0724	555	14005			0507	3519	3830		1944	2283
3.951 BE	TCB BUIL	.3640	. 1068	.1987	. 0793	¥170.		2190		<b>u</b> 14 0		3542	3898	3279	2441
m u	1. LEFT 1	. 2990	. 0285		. 0235						0732		3424		3523
ALPHA ( 3)	SECTION CITLEFT MING BOT	2Y/8W	400. 400.		25. 25. 25. 27. 27. 27.	ធាតុក្តុក្តុ ភូមិក្រុក្ស ភូមិក្រុក្ស ភូមិក្រុក្ស	មួយ មួយ មួយ មួយ មួយ មួយ មួយ	. 6637 6637 6637	ក្តុកុរ ព្រះក្រព័	25. 25. 25. 26.	900 800 900 900 900 900 900 900 900 900	9. 50. 60. 60. 60. 60. 60. 60. 60. 60. 60. 6	មួនប្រក្ <b>ខ្</b> លាំ ២ ២	දි. අදුල් අදුල්	ម្ចាស់ មិន្តិ មិនិ មិនិ មិនិ មិនិ មិនិ មិនិ មិនិ មិ

(XEBL71)

PAGE 2879	(XEBL71)	= 440.18 RN/L = 2.9092																							
		٥																							
^	ORB LEFT WING BOT	= 600.56																							
11-073-		đ		.9720	. 0599		.0380		03/10				.0133		0188		_ 20£7	500					3867		
I AMES	140A/B/C	= 1.3961	LE CP	.8870	. 1991 . 0491	.0467			.1047			.070	!	. 0526	•	.0159	•	,	3214		• •		•	4495	
- 0A14E	0A148) -		IT VARIAB	.7800	.1844 .1076	.0879			. 0929			. 0950					. 0255		÷.3060			3987		•	
PRESSURE DATA - DAIYB ( AMES 11-073-1 )	AMES 1:-073(0A148) -140A/B/C	.179 MACH	DEPENDENT VARIABLE CP	.6730	.1986	.0560			.0804		1	.0847	į	. 0440	. 0892			0165	•	3514		. 8555.			
	AMES	11		.5340	.3001	0+0I.	.0959		.0752			. 0900		5 BBO •	. 0772			. 2600		3066 .		3964		4321	
TABULATED		BETA ( 2)	SURF	.4270	.3513	5822°	1450	<b>!</b>		.0943		. 0943		.0729	25 i 47 i	<b> -</b>  -			8020		3407	3766			4301
		3.952 86	WING BOT	.3640	1454 0553	ucos		. 1669		· 1813	. 0928		.0833			.0736				1000		- 340C		380+	. 2077
92		3.9	IILEFT L	.2990	0288	.0161		5700.			. 0000									•	.0583		. 3312	. 1882	•
DATE 10 FEB		ALPHA ( 3)	SECTION (	2Y/BW	x/Cu 010. 020.	900	280 080 180	980. 760.	. 150 157	.163	ກຸ ທຸ ນິກິດ ນິກິດ	15.5.	25. 200. 200.	204.	. 550 650	.630 7.531	.650 .670	. 700 257.	.750 760	798	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		. 858. • 858.	1 6000 6000 6000 6000 6000 6000 6000 60	ກ ຫ ກຸ ຫຸ

.179

BETA (2) =

ALPHA ( 3) = 3.952

DATE 10 FEB 76

(XEBL.71)

.9720 -. 9478 DEPENDENT VARIABLE CP -.4591 -.3800 .6730 -.2102 .5340 -.2740 -.3193 .4270 -.1608 SECTION ( 1) LEFT WING BOT SURF .3540 -. 3848 . 2990 2Y/BW

- 440.18 600.56 .9720 .0022 .0001 ø . <del>88</del>70 . 1218 . 2400 . 1176 .1116 4.242 MACH = 1.3961 DEPENDENT VARIABLE CP . 7800 .1138 . 1185 .1531 .6730 .1049 .1104 .2382 .2121 .5340 . 0952 .3434 .2710 . 592 . 1358 BETA (3) .4270 .1505 .25094 .2332 .2332 SECTION ( 1) LEFT WING BOT SURF .3640 -.3766 -.1905 -.1446 -.0122 .1418 3.956 -.1624 . 2990 -.0427 -.0521 ALPHA ( 3) = 2Y/8W

-. 0290 -.4053 .025 .0318 -.0078 .0925 . 0829

-. 3853

.0811

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. 079<del>1</del>

. 1190

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-.3158 -.3219 -.0038

	BOT	
073-1 )	ORB LEFT WING	
+8 ( AMES 11-	-140A/B/C	
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT	(
ATED PRESSU	AMES	
TABUL		į
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DATE 10 FEB 76		1 16 1
DATE		2

(XEBL71)										439.47		
										*		
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ING BOT										800.27		
EFT W										•		
AMES 11-073(04148) -140A/B/C ORB LEFT WING BOT			.9720		!	4363				ō		.9720
-140A/B/(		SLE CP	.8870				4520		2401	1.3969	LE CP	.8870
(0A14B)		DEPENDENT VARIABLE CP	.7800		3913			4351		-3.873 MACH = 1.3969	DEPENDENT VARIABLE CP	.7800
5 11-073	4.242	DEPENDE	.6730	3197	386527683913			261935384351	1841	873 MA	DEPENDEN	.6730
AME			.5340	30073197	3865		4260	2619				.5340
	BETA (3) =	SURF	.4270	3377	3696		4165	2148	1594	BETA ( 1) =	SURF	.4270
		IING BOT SURF	.3640	0462	3241	3586	-, 2968				ING BOT SURF	.36+0
	3.956	I I LEFT A	.2931	į	0010 	3285	1832	i i		7.997	I)LEFT H	.2990
	ALPHA (3)	SECTION ( 1) LEFT W	2Y/84		. 839 . 850 . 850 	•				ALPHA ( 4) =	SECTION ( 1)LEFT HI	2Y/BW

. 5432 .4044 .2219 .3598 .513# .4138 .3166 . 2887 .2508 .4646 .4039 .277% . 2599 .2267 .2845 .2013 .5192 .3896 .2088 7.5% .2504 .4350 .4602 .3513 .2019 .1957 -. 1219 .0064 .0430 . 1527 174 .0000 .0000 .0845 .0886 . 0890

DATE 10 FEB 76

ORB LEFT WING BOT AMES 11-073(0A148) -140A/8/C -3.873 BETA ( 1) . 7.987 ALPHA ( 4) =

												2.9090			
												RNY			
												439.47			
.9720	900	960	-,3325				2677	2				ø		.9720	
.8870	. 2055	. 1287		2583					4097		7566	1.3969	BLE CP	.8870	
. 7800			.1324	2641			3525			4294			T VARIA	.7800	
.6730	.2520	.2903		.0640	2866		3762			4120	2⁴99	.171 M	DEPENDE	.6730	
.5340	. 1988	. 1850		.0683	2938		3507		3962	4375		a		.5340	
.4270	.1800	4221		!	. 0258	2825	3443		+104	4157	1457	ETA ( 2)	SURF	4270.	
.3640			.1587		6	9 1	508¢	3536		2940			JING BOT	3640	
. <del>2</del> 950						0024		3009	1246		3333	= 7.9	DILEFT 6	. 2990	
2Y / 8W	X/CW -400 -402	. 556 . 566 . 566 . 566 . 566	.637 .650 .070	007. 257.	. 750 . 775 . 205	808 834	28. 628. 728. 728.	. 965 278	000 000 000 000 000	ត្ត ១៩ភូភូភូភូភូភូភូភូភូភូភូភូភូភូភូភូភូភូភូ	1.600	ALPHA ( 4)	SECTION (	2Y/8%	10,7
	.3640 .04270 .5340 .6730 .7800 .8870	M W 004-0 004-0 004-0 004-0 004-0 004-0 004-0 0081.	H H 0.1988	H H H H H H H H H H H H H H	H H H H H H H H H H H H H H	HU 100 . 987.	H H H H H H H H H H H H H H	650 650 650 650 650 650 650 650 650 650	H H H H H H H H H H H H H H	940 400 400 400 400 400 400 400	1890 . 3640 . 1800 . 1998 . 2520 . 2055 . 2055 . 2055 . 2055 . 2053 . 1800 . 1800 . 2520 . 2003 . 1800 . 2520 . 2003 . 1287 . 1287 . 1250 . 2003 . 20840 . 2520 . 20840 . 2520 . 20840 . 2520 . 20840 . 2526 . 2520 . 2641 . 2565 . 2520 . 2642 . 2525 . 2525 . 2009 . 2525	400       .3840       .4270       .5340       .6730       .7800       .8870         400       .1800       .1800       .2853       .2803       .2803       .2803       .1807       .1867       .1867       .1867       .1867       .1867       .1867       .1867       .1867       .1867       .1867       .1867       .1867       .2863       .28641       .28683       .28641       .28683       .286	H400 H400 H400 H400 H400 H400 H400 H400	HATE HATE HATE HATE HATE HATE HATE HATE	

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-.1300 -.3405 .0000 -.1214 -.0680

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(XEBL.71)

	ING BOT																						
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	ORB LEFT WING BOT			.9720		- 0472	:		.1037		. 0520		2600	. 5088					3965				
T ( AMES	-140A/B/C		LE CP	.8870		. 2955		.2256		.2197		.1156		-	2642				•	4153			
1 - 0A146	(0A148) -		DEPENDENT VARIABLE CP	.7800		.2879		. 2506					. 1273		2677			3535		·	1024	י ט די	
SURE DATA	AMES 11-073(0A148)	.177	DEPENDEN	.6730		.2651		.2375		₹ <del>8</del>	.2000			8690.		2788		3781			1070		
TED PRES	AME			.5340		.2096		.2089		. 1968	.1841			.0743		2729		3435		3860	1,202	. 16 34	
TABULA		BETA (2)	SURF	.4270	.2479		.200 <del>4</del>	מצטמ		.1819	4460				.0387		2717	1381		£	C08¢.	384€	
		7.995 B	THEFT WING BOT SURF	.3640	.0734		9 <del>15</del>	. 1652	40.			וארט	5			.0254		2883		<del>4</del> 36	P464	2803	
FEB 76			LIFELL	. 2990	2	. us.		. 0582									.0188		2866	1156			- 0+9E
DATE 10 FE		ALPHA ( 4)	SECTION (	27/84	₩0.× 1080.	. 150 721.	.163 .77	វិស័យ	.390 390	405 402	. 503 . 550 . 563	.600	650	. 700 857.	057. 037.	27. 201.	878. 878.	. 859 678 778	. 865 865	. 979 979 978	10 C	ក្តាស់ សមាល់ សមាល់ សមាល់	nion.

DATE 10 FEB 76		TABULATED	_	SURE DATA	- 0A148	PRESSURE DATA - DAINB ( AMES 11-073-1 )	1-073-1	_					•	PAGE 2884	ž
			AMES	3 11-0730	OA148) -	AMES 11-073(0A148) -140A/B/C	ORB LE	ORB LEFT WING BOT	ΤΟ		_	(XEBL.71)			
ALPHA ( 4) =	7.892	BETA (3)	n	4.237 MACH		= 1.3969	a	= 600.27		٥.	* 43	439.47	RN/L	ni H	2.9090
SECTION ( 1) LEFT	T WING BOT	IOT SURF		DEPENDEN	DEPENDENT VARIABLE CP	LE CP									
2Y/BW . 2990	0 .3640	0.4270	.5340	.6730	.7808	.8870	.9720								
X/CW28.15 .01028.15		16 .1033	4.929 4.238	.4599 .4181	.5130	.5083	0999								
.050054	٠		. 3263	.3113	.3359	.3755	É								
5000 0000 0000		1975	.2661			1	BC 3+								
. 086 . 094 . 051	. 0050	•	.2109	.2677	rrrs.	. 2925	ij							•	
	.1783	13 .1754				•	6//0:-								
0250. 845. 025.	. 1393		. 2010	.2305	5749.	. 23453.									
47.07 10.28 10.28		. 1880					.0589								
388.	. 1585		. 1967	. 2388		. 2209									
		. 1765	1784	ָ הַצָּם			.0083								
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. 6537 028:	.1707	Ę			. 1299		100								
3.00 807.			.0765	.0748			. 5/63								
. 750 . 750		. 0405	•	į	2661	2688									
€/:. 798 808	. 0205	67.5	6033	ָּיָלְעָלָי. י											
834 . 0198 . 939 . 939 . 939 . 939 . 939 . 939	2782	1	3425	3616	3517										
.8522847						•	4240								
. 900 - 1 <b>215</b> - 1215	5 3298 5 5	- 3792	3880			4165									
<b>616</b> .	2º 25														

PAGE 2885	(XEBL71)						- 439.71 RN/L - 2.9137														
1-073-1	ORB LEFT WING BOT			.9720			a = 600.16 P		.9720	.0767		1961.		.0039			. 2031	. 1502		3006	
PRESSURE DATA - DAI48 ( AMES 11-873-1 )	AMES 11-073(0A148) -140A/B/C		ARIABLE CP	. 7800 .8870	4158	3041	= 1.3964	ARIABLE CP	. 7800 .8870	.7299 .7377 .6361 .6488 .	. 5239 . 5630	•	18034.	•		. 4044 . 7832	. 3550		.2352		1472092
SSURE DATA -	S 11-073(0A)	4.237	DEPENDENT VARIABLE CP	.6730	36114	1982	-3.861 MACH	DEPENDENT VARIABLE CP	. 6730 .T	.6692 .6073	.4938 .5		. 4206 . 4			.3798	.3834	3075	52.	. 1548	2047
	AM	3) = 1		.5340	4283		E3		.5340	.6889 .5798	.4779	.4127	.3548			.3426	325	.2872		מכא	n 9
TABULATED		BETA (	r SURF	.4270	3371	1280	BETA (	SURF	.4270	.3764 .4819	. 101.	.3805		7247		.3219	40 10 10 10 10 10 10 10 10 10 10 10 10 10	. + 592 295			.1185
		7.892	WING BOT	.3640	2789		11.960	1) LEFT WING BOT	36+0	2780		9881.		.3696	2725		. 2950		. 2582		
FEB 76			( 1)LEFT	.2990		3610			. 2990	1044	.1046		175		. 1535						
DATE 10 F		A_PHA ( 4)	SECTION	2Y/B4	X/CW .950 .953 .955	. 965 1 . 000	ALPHA (5)	SECTION (	2Y/84	X/CH 010. 020.			- 69. - 151.	163		S. Y.	1000 144 144 144 144 144 144 144 144 144	ម្រាស់ ស្រួល ស្រួ ស្រាល ស្រួ ស្រាល ស្រាល ស្រា ស្រាល ស ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស្រាល ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស	. 6537 063.		ព្រំព្រំ ព្រំព្រំព្រំ ព្រះ

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PA3E 2887

(XEBL71) ORB LEFT WING BOT TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 ) -. 3223 .9720 .0947 -. 3861 AMES 11-073(0A148) -140A/B/C . 1925 .3334 -. 2230 -.3726 DEPENDENT VARIABLE CP **=** 1.3964 -.2201 .7800 .2163 -.3488 -.3093 -.3914 -.3781 -.3807 4.251 MACH .6730 .3720 .2996 . 1429 -.2345 -. 3212 .5340 . 1585 -.2296 .3197 . 2844 -.2951 -.3400 BETA ( 2) = BETA ( 3) = .4270 -.4772 .2919 -.2146 -.3370 -. 3261 .1217 -.2845 -.2391 SECTION ( 1) LEFT WING BOT SURF 3640 -. 1883 -.2240 .2624 . 1021 -.2325 -.2950 A.PHA ( 5) # 11.959 ALPHA ( 5) = 11.957 . 2990 7660. -.0647 -.2702 -.2403 DATE 10 FEB 76

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SECTION ( I) LEFT WING BOT SURF

DEPENDENT VARIABLE CP

- 2.9137

-.0501 +.1976 . 5846 . 5624 .5064 .5785 .5570 .4668 0+2+. .5490 4252 .5353 .3677 -.4383 -.2333 -.1692

ORB LEFT WING BOT -.0723 .9720 .0647 .0981 -.3313 -.4105 AMES 11-073(0A148) -140A/B/C .8870 .2510 . 1825 .4265 .3204 -.2333 -. 3796 DEPENDENT VARIABLE CP .7800 .¥106 .3819 -.2258 . 2069 -.2978 -.3493 -.3083 .6730 .3817 .3426 .3557 2942 -. 3505 . 1465 -.2149 -.2349 4.251 3048 5340 .3230 .3093 . 1522 -. 3831 .2754 -.3424 BETA ( 3) = .4270 -. 3393 .2787 -.2736 .2611 -.43t7 44GG. 1675. -.2210 -. 2924 SECTION ( INCEPT WING BOT SURF .3640 . 0293 .2341 .2465 .2583 . 1984 .0918 -. 2898 -. 1932 -.219 ALPHA ( 5) = 11.967 . 2333 . SS . .0766 -.2446 -. 1019 .0906 -.2729 2Y/BH

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PAGE 2889	(XEBL71)	- 440.18 RN/L = 2.5185										-											
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C AMES	·1404/8/	= 1.3960	LE CP	.8870	.8024 .7819	.7174		.5876		.5104		.4637		7105			1708					3206	
- 0A146	OA148) -		T VARIAE	.7800	.8095 .7738	.682⁴		.6081		.5648					.3229		1621			2583			
PRESSURE DATA - DAIWB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	-3.840 масн	DEPENDENT VARIABLE CP	.6730	.7830	.6531		. 5589		.5215		1713.	4210			.2393		1828		3172			
	AMES	-3.0	_	.5340	.7082	.6153	.5536	.5006		.4672		8+9+.	4153				138	1906		2508		3032	
TABULATED		BETA ( 1)	SURF	. 4270	.3011	.5272	£69 <del>4</del> .		.4373		# # #.	.4207		4591				-802·	1474		1.63.		298*
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DATE 10 FEB		A_PHA ( 5) *		Ka, ye		0.05 0.05	. 059 . 080 . 081	980. 1.000. 1.000.	. 153	<u>ရှိနှင့်</u> စီရီရှိ	47.97. 4.6.6.	2 C C C	. 503 . 503	ን (ቦ) ዕ ነ ሂነ ር ነ ሀ ነ ሀ	6537 659	. 670 007.	  		60 60 (6) (1) (1)	၅ ကို လုံ ဗွာကို (၂) ဗွာကို (၂)			មា ក្រ

TABULATED PRESSURE DATA - DAIY8 ( AMES 11-073-1 )

DATE 10 FEB 76

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(XEBL71)						P = 440.18 RN/L = 2.9185												
ORB LEFT WING BOT			.9720			600.45		.9720	1470		. 0250	·	0348		. 1913	. 1668	2770	97
B) -140A/B/C		RIABLE CP	.8870	<u>*</u>	5005	= 1.3960	I ABLE CP	.8870	4788. 4788. 4788.	.6596	•	940.	<u>;</u>	9184.	. 4305		. 2885.	1837
AMES 11-073(0A148) -140A/8/C	-3.8%0	DEPENDENT VARIABLE CP	.6730 .7800	3460 3414	3388	.180 MACH	DEPENDENT VARIABLE CP	.6730 .7800	.6951 .6995 .6821 .7050	.6223		.5350 .5774		9865. 5388	6564.	.4085	. 3028	. 1692 - 1692
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			.2930	0938		. 15.0		.2993	3512	100°		£277	.1782					
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AMES 11-073(0A148) -140A/B/C	4.280	DEPENDENT VARIABLE CP	.6730	.4672	.3954			.2488	0	989 : .	3147			3495	3529
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PAGE 2893	(XEBL72) ( 05 AUG 75 )	PARAMETRIC DATA	RUDDER = -5.000 SP389K = 55.000 BDFLAP = 16.300 L-ELVN = -10.000 R-ELVN = -10.000 MACH = 1.250	P = 550.62 RN/L = 3.0068		
-073-1 )	ORB LEFT WING BOT		E 66 &	0**655 = 0		.9720
TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT	E DATA	77. XPRP = 1076.5800 IN. XO YPRP = .0000 IN. YO ZPRP = 375.0000 IN. ZO	BETA ( 1) = -3.854 MACH = 1.2471	BOT SURF DEPENDENT VARIABLE CP	. 3640 .4270 .5340 .6730 .7800 .8870 .
DATE 10 FEB 75		REFERENCE DATA	SPEF = 2690.0000 SQ.FT. LREF = 474.8000 IN. BREF = 936.0680 IN. SCALE = .0300	ALPHA ( 1) = -3.944	SECTION ( 1) LEFT HING BOT	27/84 . 35

-.5920 -.6005 -.3557 -. 5304 -.5073 -.5760 -.4938 -.5119 -.4033 -.5750 -.5337 -.2039 -.3077 -.3322 -.2329 -.2137 -. 1478 -.2822 -.2719 -.2643 -.0501 . 0000 -. 1493 -.1518 -.1330 

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DATE 10 FEB 76

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(XEBL72)								- 550.63										
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ORB LEFT WING BOT								- 599.40										
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AMES 11-073(0A148) -140A/B/C		RE CP	.8870		4222		3378	1.2471	RE CP	.8870	3804	6242	•	5721		5276	· £#9#?-	. 3001
(0A14B)		DEPENDENT VARIABLE CP	.7800			3082		MACH	DEPENDENT VARIABLE CP	.7800	3958	6260		5462		4925		
5 11-073	-3.854	DEPENDE	.6730			6337	2472	.190 M	DEPENDE	.6730	5315	5899		5100		3760	1704	1350
AME	(1) = -3		.5340		4877	3631		•		.5340	4027 5514	5225	4957	2796		1840	1398	1160
	BETA ( 1	SURF	.4270	5466	1.4150	3669	2467	BETA ( 2)	SURF	.4270	0860 1315	1/51	1816		1620	1427		4176
	-3.944 B	HING BOT	.3640		5263			3.937 81	DLEFT MING BOT	.3540	1300	I oc I	0687		5.00.	0963	1121	
	p	DILEFT	.2990	5164	3731		•	•	11667	.2990	0000.	6411	•	7.	0902			
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TABULATED PRESSURE DATA - CAIMB ( AMES 11-073-1 )
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(XEBL.72)

PAGE 2897		3.0108																				
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-	ORB LEFT WING BOT	e 599.89																				
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1 - 0A14E	OA148) -		DEPENCENT VARIABLE CP	.7800	2146	3785		2720		1962					0920	3			5428			
SURE DATA	3 11-073	-3.865 MACH	DEPENCEN	.6730	3508	3296		2281		0973		0727	0479			1221	3+33		4397			
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PAGE 2898	(XEBL72)						P = 551.11 RN/L = 3.0108												
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1 - 0A14E	OA148) -		DEPENDENT VARIABLE CP	.7800			0682	, c			5377		2793		: AACH	DEPENDENT VARIABLE CP	. 7800	. 1362 .0579	.0395	
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PAGE 2903							RN/L • 3.0052													
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1-073-1 )	ORB LEFT WING BOT			.9720			g = 600.17 P		.9720	0396	- D20					0312		0834	5160	
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			DEPENDENT VARIABLE	.7800		.3050		.2840							3552			1.4684			64.30	) }	
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(XEBL72) BETA ( 3) = ALPHA ( 4) # 7.943

.972¢ .8870 DEPENDENT VARIABLE CP -.2817 -.4207 -.5297 .6730 -.2211 .5340 -. 3552 .4270 -.1502 SECTION ( 1) LEFT WING BOT SURF .35+0 -.4508 2Y/BW

599.73 .9720 .8870 -3.855 MACH \* 1.2460 DEPENDENT VARIABLE CP .7800 .6730 .5340 BETA ( 1) = .4270 SECTION ( INLEFT WING BOT SURF .3640 ALPHA ( 5) = 12.023 .2990 2Y/BM

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3-1 )	ORB LEFT WING BOT				•									1	d 57.58c =										
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48 C AME	-140A/E		מין זיין	B870						4705			4837	ו שנה ו			0/88.	.6532	.5715			.4433		.3702	
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PRESSURE DATA - 04148 ( AMES 11-073-1 )	AMES 11-07310A148) -140A/B/C	-3.855	DEPENDE	.6730		3307		4528			İ	4729	3684	.182 MACH		.6730	3	.651 <i>2</i> .6252	.5426			.¥684.		. 4254	
_	AM	= = =		.5340		3372		4093		4587	1	5153				.5340		.6302 .5791	.4967	÷438÷		.3977		.3892	
מבו ביות		BETA ( 1	SURF	.4270			3108	4038		-, 4550		4281	1839	BETA (2)	SURF	.4270		. 1057 . 2896 . 3790		4511			.3356	. 3504	
		12.023 E	WING BOT	.3643		.0737	3530			. 3//6	2806	3225			1) LEFT WING BOT SURF	.36+0		4951 2213 1471			.0763	0	55. 55. 55.	.2457	. 3283
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		ALPHA ( 5)	SECTION (	2Y/84	X/CW	. 798	. 834 834 839	. 957 7.29 6.33	. 965	006	ن م م م	2.00 2.00 2.00 2.00 3.00 3.00 3.00 3.00	ğ	ALPHA (5)	SECTION (	2Y/8W	X/CH	. 020 . 020 0+0	069.	.080 .081	980. 100.	. 1.57 7.61			544. 646.

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(XEBL72)

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OBB LEET LING BOT
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-140A/A/C
AMES 11-073(0A148)

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i																		• 599.73 p						
		02/6.		.0468			4289						4922					ď		.9720	!	3226		. i + i G
	BLE CP	.6870	.3141		.1594			3452						10010			4805	1.2460	LE CP	.8870	.5463		.5332	•
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. 182	DEPENDE	.6730	.400e	.2979			.1166		3333			4628				+730	3613	4.249 MA	DEPENDENT VARIABLE CP	.6730	. 5682	, coc .	. 5200	
£ (2		.5340	.3763	.3055			.1355		3172			<del>-</del> 099		4620		5133				.5340	.5322	0	.4691	.4232
BETA ( 2	I SURF	.4270	.3766	5777				1000		3215		3952			9844	3690	2402	BETA (3)	SURF	.4270	0884 1961	. 2858		
12.037	WING BO	.3640			. 2889				0772		3305			3627	2623	3243		.032 B	WING BOT	.36+3	5520	2573		
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ALPHA ( 5)	SECTION ( 1) LEFT WING BOT SURF	PY/BW	500 m	1963 1963 1963 1963	.637	. 655 078	207. 201.	. 760	377. 597.	(C)	# (D) (C (D) (D) (F)	: (* (* (* (* (* (* (* (* (* (* (* (* (*	7 in .	ф С С С С С	គ្រូ ម៉ ១ ភ	လုံ့သည်။ လုံ့သည်။ လုံ့သည်။		ALPHA (S)	SECTION	24/BX	30/X 010:	) () () () () ()	) (h  ) (i)  -  -  -	000 ·

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AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT
TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )
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PAGE 2912	(XEBL73) ( 05 AUG 75 )	PARAMETRIC DATA	RUDDER5.000 SPOBRK - 55.000 BDFLAP - 16.300 L-ELVN - 10.000	# -10.000 HACH #	P = 707.91 RN/L = 3.1821																	
	UNG LEFT WING BOT			-	<b>600.53</b>																	
-					O	02130	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	: !	9238		4874			8478		7473			388			
AMES 11-073(0A148) -1404/8/C					1.1808	-	5471 8108			7633	•		6986	•	6198	7.7	2962		8388 -	6762		
73(0A14B)		X.	IN. 70	i i	OEPENDENT VARIABLE CO	. 7800	5597	8345		7327			6639		•		•	1581		5100		7020
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               (XEBL 73)
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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )
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מראונה		(2)
Ž		BETA
		-3.960
		ALPHA (1) = -3.950 BETA (3) = 4.266

		.9720			5638		4516		4268					!	6573				
	WBLE CP	.8870		9884		2328		1809		1	7063					6565			
	DEPENDENT VARIABLE CP	. 7800		2595					1892		5500			7287				4423	
	DEPENDE	.6730		1890		1139	1502			± ₹.		5675		6047				774	
		.5340		1387		1036	1254			2396		6224		7454		6186		4729	
	T SURF	.4270	1005		0731	0812	4374				1110	i	7811	6920			5181	4612	7736
	MING BO	.3640		. 0053		0381		1127				1458		6295	Page -	3	5790	5121	
1	( 1)LEFT	. 2390	- 0591	3									1830		6591	5046			1.757
	SECTION ( 1) LEFT WING BOT SURF	2Y/15H	X/CW 171.	14. 9. 18. 9.	9. W. P. P. P. P. P. P. P. P. P. P. P. P. P.	1000 1000 1000 1000 1000 1000 1000 100	ក្រុស ភូមិស្វា ភូមិស្វា	.637	579.	25. 25. 25. 27.		799	<b>3</b> € 6.	639 639 708 708	.855 .879	908		50. 50. 50. 50. 50. 50. 50.	B 55

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PAGE 2916

(XE9L73)	P = 708.37. RN/L = 3.1830																			
ORE LEFT MING BOT	0 = 599.94		.9720	4163	•	4175	1	1597		0714		1216		4917					3868	
AMES 11-073(0A148) -140A/B/C	1.1000	ABLE CP	.8870	3075	5997		4585		0882		0181		1089	•	6809					
(0A148)	MACH =	DEPENDENT VARIABLE CP	.7800	3977	5607		3671		-,0946				1981		5021			5367		
5 11-073	-3.869 M	DEPENDE	.6730	4642 5528	4559		2121		1053		.0166	0341		+181		3886		6175		
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ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C

.8870 DEPENDENT VARIABLE CP . 7800 .6730 BETA ( 1) = -3.869 .5340 .4270 SECTION ( TILE! THIS BOT SURF 3640 .047 ALPHA ( 2) =

-.5444 -.2656 -.379 -.3780 -. 2995 -.3911

599.94 .177 MACH = 1.1000 -.2465 BETA (2) -.2351 .052 ALPHA ( 2) =

.9720 a .8870 DEPENDENT VARIABLE CP .6730 .7800 .5340 .4270 .2263 .0657 SECTION ( 1)LEFT MINS BOT SURF

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(XEBL 73)													708.37 9N/L = 3.1830									
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		DEPENDENT VARIABLE CP	.7800			6456				3157			A HOWE	DEPENDENT VARIABLE CP	.7800	3554 3459	2575		0749			
<b>:</b> : ;	.177	DEPENDE	.6730	4278		5985				7369	1970		i ntu	OEPENDEN	.6730	2967 2407	2260		0349		03340535	
	a D		.5340	5518		6131		5019		4100			•		.5340	0718 0933	0823	0588	0152		2600.	
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			.3640	0629	5725		Č	/ <del>                                     </del>	4639	- 3755		ני ני	1	#1740 BO*	3640		) :	.0955		.2003	.0847	.0704
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PAGE 2919																	RN/L = 3.1803					
	(XEBL73)																- 708.60 H					
																	Q.					
	ORB LEFT WING BOT										•	•					s 593.99					
PRESSURE DATA - DAIMB ( AMES 11-073-1 )				J27e.		1844		Entra -					6004				o		.9720	5770.	,	M##0.
3 ( AMES	AMES 11-073(0A148) -140A/B/C		SLE CP	.8870	0410		1495		7254					4350		2845	1.0398	d)	.8870	.1087	.1040	
4 - 0A140	(0A14B)		DEPENDENT VARTABLE CP	.7800			132		5317			7157			3614			TVARIAB	.7800	. 1940 1006	1770.	
SURE DATA	5 11-073	4.245	DEPENDEN	.6730	. 0295	0473		1750		<del>1</del> 59+		5838			7459	2880	-3.872 MACH	DEPENDENT VARIABLE CP	.6735	 08997 14	.0.	
	AME	*		.5340	.0256	0229		1569		5710		6969		5765	4386		M)		.5340	. 06131 . 0618	.0583	.0469
TABULATED		BETA ( 3:	SURF	.4270	.0406	5005			0537		7270	6385		4581	M + 1 +	0.2970	TA ( 1)	3.7#F	0754.	01 M ( 1) 1 1 1; 1; 1 1; 1; 1	ก • • • • • • • • • • • • • • • • • • •	
		.045 BE	Wing Bor	.35+3			0151			0830	- 555C		C		•	3	.012 BET	108 CM	D#9E .	M M C (1) (1) (1) (1) (1) (1)		
B 76		•	I :LEFT ;	. 2991							129⁴		5857	<del>11</del> 111-		6887	₽ 1	H LEEL H	.2933		0.0.5	
DATE 10 FEB		ALPHA ( 2)	0.0011020	2Y/84	407.X 604.	250. 250. 250. 250.	073. 758. 528.	. 670 . 700 . 255	027. 037.	. 798 . 798	89. 48.60 48.60	. 850 . 857	7 :0 :0 :0 :0 :0 :0 :0 :0 :0 :0 :0 :0 :0 :	က် ကြောင့် ကြောင့် ကြောင့်	) B ( ) B	1.000 1.000 1.000	ALPHA ( 3:	SECT:01:	2Y/Ew	000 (000) ×	<b>, , ,</b> , ,	1 m 1 m 1 m 1 m

		.9720		0532		0057	0772		i i	1996.				3759				
	BLE CP	.8870	.1008		1690.	. 0829		0501			5855				3138			1987
	DEPENDENT VARIABLE CP	.7800	.1380		345				0158		5040		6726			1	2813	
-3.872	DEPENDE	.6730	. 1246		E 1 + 1 .	.1689	.0691			0884		4172	5345				5080	2202
u		.5340	 891		. 1483	. 1647	8160.			0760		η 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	6534		-, 4784		3273	
BETA (1)	SURF	.4270	. 1361	.0897	1607		. 1837	<b>5</b> 951			0082	6422		6136		3971	3400	2012
4.012 BE		3640	1193	95+59.	.1008	.1629		•	di di di i			0:80	5462		5588	4034	2821	
. <del></del> 11	11, EFT 1	. 2990	01±0°-		n . d . d								0933	2:33	3553			- 5365
ALPHA (3)	SECTION ( 1'LEFT WING BOT	2Y/8%	1000 TO	r Mr.	ភាពមួយ ភូមិ មិន ភូមិ ទ	ម្ចាស់ ស្ត្រី ស្ត	7. <b>የ</b> ዓ ጠ 1. ይነ ይነ ተ ፈነ ፈነ	ញ់ សូខៈ សូខៈ	() (i) (i) (i) (i) (i) (i) (i) (i) (i) (		ម្តាស់ ស្ត្រី ស្ត្រី ស្ត្រី		÷ បា co ស្រ្កាស់ ឃុំ ឃុំ ឃុំ	r- កា ម លាក់ ក លាធាតិ លាធាតិ	) (() () () () () () () () () () () () ()		မှ က ရ မြောင်း မြောင်း	ម្ភាព

Q.	(XEBL.73)	708.60 PN/I			•																T. Harmon Carlette M.	KERTOUGH
	C	706																				X
		<b>a</b>																				
	ORB LEFT WING BOT	599.59																				
~	LEFT																					
11-073-		ø		.9720	.0083		.0040		- , 0698	•	0431		1098		6062					1	6897	
B ( AMES	-140A/B/	1.0998	BLE CP	.8870	.3085	.1537		.1153		.0734		.0791		0570			5974				•	- 1441
4 - OA14	(0A14B)	MACH	DEPENDENT VARIABLE CP	. 7800	.2796 .1635	.1156		. 1561		6461.					0291		5225			6697		•
SURE DAT	AMES 11-073(0A148) -140A/B/C	. 182 M	DEPENDE	.6730	. 1928 . 1685	.1126		. 1492		. 1452		.:659	.0723			0877		3835		- 5475		
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	AME	•		.5340	. 1665	. 1368	.1169	.1442	•	. 1663		.1737	9660.			0651		-,5157		6456	:	14.1-
TABUL		BETA ( 2)	r SURF	.4270	.4436 .4327	988 -	. 1902		.1478	į	1/01.	.1856	6765				0033		9449	5989		•
		4.0.4	I ILEFT WING BOT	.3640	1977		.1036		-2692	. 1428	11711			. 1028				C194	5341		5303	
B 76		44		.₹990	1638 .0000	079B	Š		9										0751		. 5587	5000
DATE 10 FEB		ALPHA ( 3)	SECTION (	2Y/BW	X/CN .010 .020	0.00	080 080 180 180 180 180	150	163	yi in Si		0.4.		.600 .637	5.55 5.55 5.55 5.55 5.55 5.55 5.55 5.5	 8				689. 789. 579.	. 855 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	

- 3.1803

PACE 2921

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ORB LEFT WING BOT (XEBL73)		. 321.			\$ 88 SE	•		013		378					01	88		φ <u>r</u>	
	<u>e</u>	2576. 0788.		2352	8660	3	.8870 .9720	1		0976		.1158		.0641	1110 .0567	1628	319	6249	
AMES 11-073(0A148) -140A/B/C	DEPENDENT VARIABLE CP	. 7800	3156	ï	MACH = 1.0998	¥	. 7800	.3140 .3	. 1641			. 1665 . 1		. 1524 . 0	ë		0819	0528	
S 11-073	DEPENDE	.6730	5642	2261	4.238 MA	DEFENDEN	.6730	.2302	.1676		!	‡ *		.1518	.1584	. 0597		0881	
AME		.5340	3480				.5340	.3764	.2213	. 1915		1 /83		. 1698	.1607	. 0899		. 0630	
BETA ( 2	SURF	.4270	3448	2337	BETA (3)	SURF	.4270	4090	2766.	. 2552		. 1995		1884	1808	5719		•	
#:0:# B	WING BOT	.3540	3921		4.006 BE	DILEFT WING BOT SURF	.3640	3324		0	, 0 0	.2837	. 1893		. 1934	•	.0873		
,	DLEFT	.2933	6197		¥	1)LEFT 4	.2990	3573	1695		- 1411	į	0769						
ALPHA (3)	SECTION ( 1) LEFT WING BOT	27784	47.8 956. 859. 859.	1.000	ALPHA (3)	SECTION (	2Y/BH	X/CH 010. 020. 040.	000 000 000 000 000 000 000 000 000 00	080. 080. 188.		1831. 1851.			15000 5000 5000 5000 5000 5000 5000 500	M ប្រជាព ប្រជាព ពិធី ពិធី ពិធី	.637	5.55. 5.56. 5.66. 6.66.	

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## ABULATED PRESSURE DATA - DAIHB ( AMES 11+073-1 )

ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C

.9720 .8870 -.3867 DEPENDENT VARIABLE CP . 7800 -.6635 .6730 -.4069 -.6517 -.5387 -. 3852 -. 6634 4.238 -.5353 .5340 -.6725 BETA (3) -.5039 -.3742 -.6639 -.5838 .4270 SECTION ( 1) LEFT WING BOT SURF - .4989 .3640 -.4384 -.0350 -.4958 4.006 . 2990 -.3382 -.5610 A.PHA ( 3) = 2Y/9K

ž 708.36 599.05 .9720 .8870 1.1000 -. 2951 DEPENDENT VARIABLE CP . 7800 -3.868 MACH .6730 .5340 BETA ( 1) = .4270 SECTION ( 1) LEFT WING BOT SURF .3640 7.975 .2990 ALPHA ( 4) =

-. 2655

**-.2707** 

-.6682

\*\*\*0. .5047 .4086 .4135 .5362 .5776 .5078 4004. .6153 .4925 .4030 .4631 .5345 .4703 -.3760 -.1473 -.0899 -.1209 .0103 2Y/Bu

.3488 . 345t .3540 .3280 .3682 . 1052 .0118

.2918 . <del>2</del>974 .3047 .2970 .2892

.3082

.3591

.2708

.0123

.0326

. 2231

-.0464

.2879

PAGE 2923

(XEBL73)

AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT

-3.868

BETA ( 1) =

7.976

ALPHA ( 4) =

											- IVET			art (Manufe, moore						
														•	37 AUT -					
															0.	•				
															599.94					
		0		òn		<b></b>									•			• • • • • • • • • • • • • • • • • • • •	**	**
		.9720		0299		5535					¥004				0		.9720	1. ACR.		0708
	ABLE CP	.8870		•	. 0261		++00·-					6636		3157	• 1.1000	LE CP	.8870	5818 600 600	.4131	
	DEPENDENT VARIABLE CP	. 7800			9440°		4840		1969 -	5			6867		•	T VARIAB	. 7800	.6079	.4359	
*	DEPENDE	.6730	.2709	. 1611		0319	5250		7165				5215	2608	.174 MACH	DEPENDENT VARIABLE CP	.6730	.5714	. 4241	
•		.5340	.2690	.1784		0142	14747-		8153			6310	3329			_	.5342	.5210	.4262	.3723
,	SURF	.4270	. 2932	6352			0097	5902		0.5740		4850	3156	2137	BETA ( 2)	SURF	.4270	.3217	.4515	
	I ILEFT HING BOT SURF	.3640			.1747			0229	5169		10000	1	365.9	? ? ?		41:45 BOT	.3540	6397	2352	
	1 1)LEFT	. 2930						-,0514			5446	2819		- 5-3-	- 7.984	DLEFT 1	.2330	3344	0953	
	SECTION	2Y/BW	X/CH + 005+.		. 637 636 636	6.4. 6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	757. 277.	808. 808.	<u>က်</u> (၈)	. 8657	₹38. ₹79.	006. 006.	<u>ត</u> ភូមិ ភូមិ ភូមិ ភូមិ	1.000	ALPHE ( 4)	SECTION / DLEFT WING BOT SURF	24/BH	x/Cu .010 .020	្តិ ភូមិ ភូមិ	690

PAGE 2925

(XE8L73)

IABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )	CORB LEFT WING BOT			.9720		0827		0214		0681		- 57ut						4616				
8 ( AMES	AMES 11-073(0A148) -140A/B/C		BLE CP	.8870		.2878	1 ± 0.00		.1678		.0142	·		5579				•	- 6974	; }		
A - 0A14	(0A14B)		DEPENDENT VARIABLE CP	.7800		.3578	3006					. 0265		4967			6180		•		6936	
100	S 11-073	五.1.	DEPENDE	.6730	İ	.3551	.3158		.2735	. 1609			0133		5291		+.4704				5052	
	AME	# 5		.5340		. 3359	.3169		.2706	. 1805			.0039		4819		6120		5337		- 3411	
		BETA ( 2)	SURF	.4270	.383	5155.		. 3093	. 2909	7041				+000.		5902	!	5604		5527	3135	
		7.984 B	17LEFT WING BOT SURF	.3640	. 0099	.3467	9173.	707			.1795				0015		5033		4578	4390	995+	1
		ts.		.2990	. 0520		028⁴									1798		5,180	2635			5993
		ALPHA ( 4)	SECTION (	2Y/8W	X/CH : 081 : 086 : 094	151 163 171	6 6 6 6 6 7	yi Yunin Yunin	402		.637	.553. 073.	. 700 87.1	. 750	5.5 867.	. 808 47.	. 859 659 659 659	, 63.9. 53.9.9.	က် ရှင်း ရှင်း	မှ (၁.၅ (၁.၅	oigi Carr	7

(XEBL73)	P - 708.36 RN/L - 3.1794																			
CRB LEFT WING BOT	- 599.94					•														
	o		.9720	3385		2003		1262		0821		1210		6012					4871	
AMES 11-073(0A148) -140A/B/Ç	. 1.1000	BLE CP	.8870	.5199 .4696	.3939		.2683			BST:	. 1432	•	0164	•	5617				•	7058
(0A14B)	MACH	DEPENDENT VARIABLE CP	.7800	.5539	.4150		3424		Ş	989.			4400		5102			6143		
S 11-073	4.233 M	DEPENDE	.6730	. 5473 . 5043	.4252		.3491		Ç	9106.	. 2583	****		0128		5224		4447		
AME	•		.5340	.5945 .5310	.4532	. 3968	.3457		00	0000	.2571	.1670			0003	5008		6121		- 54GI
	BETA ( 3)	SURF	.4270	.3488	969	.3974		200		.3139	.2818	6465			į	110	5993	5416		5752
	7.984 8	MING BOT	.3640	4557 3603	}		9390.	.3422	.3005		. 3069		. 1687			\$ 10°-			4406	2454
•		THEFT	.2990	.0000	1915		1301		0692								0501		5435	2802
	ALPHA ( 4)	SECTION ( 1)LEFT WING BOT	2Y/8W	X/CH .010 .020	0000	180		.:63	ម្ភា	) + In c	ာ့ဂာလေး ဂါဝင်း ဂါသဘ ဂါသဘ	ក់ កុំ កុំ កុំ ស្គាល់ ស្គាល់ ស្គាល់ ស	နှင့် ရှိ ချဲ ကြွင်း ရ	.670 .700	6.5.	2. r. r. 86. r. s. 86.	m * (			

PAUE 2926

TABULATED PRESSURE DATA - 04148 ( AMES 11-073-1 )

DATE 10 FEB 76

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PRESSURE
TABULATED
FEB 76

PAGE 2927							Ditt			<del></del>												
	(XF8! 73)						a 700 R1															
÷	ORB LEFT WING BOT						• 599.84															
PRESSURE DATA - 0A148 ( AMES 11-073-1 )				02720			o		.9720	1959		0397		0760			.0782		.0219		5198	
48 ( AMES	AMES 11-073(0A148) -140A/B/C		ABLE CP	.8870		4128	1.0997	BLE CP	.8870	.6873 .6645	.5906		.4332			.3508	ģ	100		. 0955	•	5078
TA - 041	3(0A14B)		DEPENDENT VARIABLE CP	.7800	6429		MACH	DEPENDENT VARIABLE CP	.7800	.7369	.6157		.5081			5754.					.1235	. 44,75
SSURE DA	11-07	4.233	DEPEND	.6730	5479	2653	-3.848 M	DEPENDE	.6730	.7454 .7152	.6199		.5058			.4390	7117		.2402		.0605	·
	A S	3) = 1		.5340	3615				.5340	.7494 .7017	.6052	5448.	.4836			.4315	3712		.2579		į	**************************************
TABULATED		BETA (	SURF	.4270	3585	1923	BETA ( 1)	SURF	.4270	.4506 .4606		.5096		45.00	3	.4213		. 3892	6857			.0086
		7.984	WING BOT	3640	4972		12.067 B	DILEFT WING BOT	3640	5733		. 1916		¥88¥.	#GC#.		.4075		·	. 2552		
FEB 76		4) = 7.	( 1)LEFT	. 2990	6385			( I)LEFT	2990	.2848	.0157	06.30			.0861							
DATE 10 F		ALPHA C	<u>8</u>	2Y/BH	X/CH .950 .959 .955 .955		ALPHA (5)	SECTION (	2Y/BH	X/CH .010 .020	. 050				22.5 6.45 6.45	80.5°	7665 7665 7665 7665 7665 7665 7665 7665	મું કો (૧૯૧૯) (૧૯૧૯)	មាំ មាំ មាំ មាំ មាំ	2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.50	000 000 000 000 000 000 000 000 000 00	1. L. C. C. C. C. C. C. C. C. C. C. C. C. C.

2867

TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )

DATE 10 FEB 76

1

0019484600194846469354447469362033843620346431984 077 BETA ( 2) HING BOT SURF36404270648400725480427064840072545047479459	51A ( 1 5URF	AME:		-	340	4699,4832	579761305865	4713	63856294	496662806704	. 2013	1ACH .		.5340 .6730 .7800 .8870 .9 <b>72</b> 0	.6675 .6805 .6428 .5971 .6668 .6738 .6574 .34 <b>60</b>	. 5934 . 5110 . 5902 . 5520	- 1515 - 1515	P835 4996 4977 5784.		4330 A254. A214. A254.
51A ( 1 ) * 50PF  5URF 4646 5446 5446 5446 1964 1964 1964 1964 1964 1964 1964 1964 1967	5186 -14846 -14846 -14846 -15846 -15846 -1984 -1984 -1984 -1984 -1986 -1987 -1988 -1988 -1988 -1988 -1988 -1988 -1988 -1988 -1988 -1988 -1988 -1988 -1988	11-073(0A14198)	I48 EPENDENT VA	EPENDENT VA .6730 .76		.4832					0290		PENDENT VAR							
A T T A A T T T A B T T T A T T T A T T T A T T T T	#8 58 74. 5.00 5.			. 5340	.5340	4699	5797		•	4966			<u>6</u>	.5340	.6673 .6668	£65°.	.5473			
7.007 1.007 1.007 1.008 1.009 1.	7 NG B 3364 33843 3314 6684 560 6684 3314 5750 1811	ETA SUR	SUR SUR	S)			•	••	•	'	•	_	T SURF		ľ		.4875			
. 12 . 2990 . 2990 . 5292 . 5295 . 5295 . 6000 . 6000 . 6398	12.06 .2990 .2990 .5063 .5063 .12.077 .2990 .2990 .2990 .2990 .2990		HING BE	HING BI		•	i		•	•		12.077	HING BO	.3640	6484 3314	3		. 38:1	9114.	.3794

DATE 10 FEB 76

ORB LEFT WING BOT AMES 11-0751J.148) -140A/8/C BETA ( 2) 12.077 ALPHA ( 5) =

.9720 .8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION CIPLEFT WING BOT SURF . 3640 2930 2Y/64

-.0203 144N. . 3652 .2335 .3668 .2569 -. 7530 .3890

-. 5331 .0773 .1149 .0592 .0728

.2531

-.4594 -.5147 -. 4649 -. 4645 .0143 -.5128

÷110.

-.5604 -.6036 -.5803 -.5250 -.4813 -.0004

-.5067

-.6493

-.6415 -.4386 -.2110 -.5088

-.5432 -.6105 -.6912 -.5763 -.4976 -. 3947 -. 4546 -.5561

1.02-ta -.2749 -.2123 ALPHA ( 5) = 12.076

4.245 MACH . 1.0997 DEPENDENT VARIABLE CP BETA ( 3) . SECTION 1 DILEFT WING BOT SURF 27./BW

- 3.1785

RNY

708.61

599.84

.9720

.8870

. 7800

-.2688

5233

.4927

-.4793

.51760

. 5202 . 5852 .5430

.6730 .5967 .5664 5340 .5782 5704 - 13/5 1004 1004 .4270 . 354S . 2990 +.65:2 .cco - 195:

معقما الع عصيرياهم أبي يفقفناه فيقطيطها مكيفا بألاي البائات بالأساء فللقافعينية فأكدنا للفويد الملاقات البائة

(XEBL.73)

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(XEBL73)

3.76 - 16 - 2990 - 2990 - 10941 - 1090 - 1090 - 1090	76 TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )	AMES 11-073(0A148) -14QA/B/C DRB LEFT WING BOT	12.076 BETA (3) = 4.245	DEPENDENT VARIABLE CP	0572. 0788. 087. 0573. 0754. 0456. 0595.	. 4621 - 0255 - 0255	. 3568 . 4438	.36:6	DOIT.	.3915. .3667 .3423 .3404.	6971 6971	7050.	. 0938	. 5765. <del>.</del> 0540.	00:9	0335	1180 - 12187	515:5865819	1.5767	•	4011 615255186943	8664	
			12.075	T MING BO		•	•	•		. 3915		23.65 20.00				0035			1	•	1.4011	800+.1	

TABULATED PRESSURE DATA - CAI48 ( AMES 11-073-1 )

### AMES 11-073(0A148) -140A/B/C ORB LEFT HIND BOT WHYP	PACE 2931	(XEBL74) ( 05 AUG	PARAMETRIC DATA	RUDDER5.000 SPDBRK - 55.000 BOFLAP - 16.300 L-ELVN10.000 R-ELVN10.000 MACH900	P * 1057.3 RN/L *													
AMES 11-073(0A1)  WHIPP = 1076.6800 IN. X0  WHIPP = 375.0000 IN. X0  WHIPP = 375.0000 IN. X0  WHIPP = 375.0000 IN. X0  WHIPP = 1076.6800 IN. X0  WHIP = 1076.6800 IN. X0  WHIPP = 1076.6800 IN. X0  WHIPP = 1076.6800 IN. X0  WHIPP = 1076.6800 IN. X0  WHIPP = 1076.6800 IN. X0  WHIP	.S 11-073-1 )				đ	.9720	-1.3353	-1.1990	5966			7128	, 670 <sub>1</sub>					
MMPP = 10 1 ( 1) = 3 1 ( 1)	THE PARTY OF THE	I-073(0A148) -140A/B		ZZ	MACH =	1730 . 7800 . 8870	-1.0243 -1.0569 -1.3371 -1.3472	-1.3793 -1.3823					3950	•	2109		M	
		AMES 1 REFERENCE DATA	• ddwx	• •	ri T	340	-1.0932 -1.2699	7 7	6313	<del>4</del> 711	8+0+		80/2	0/05.	.2617	. 1897	6073	,

-.4747 -.5819 -.5919

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       (XEBL74)
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AMES 11-073(0A148) -140A/B/C
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-.3576 -1.2339 -1.3397 -1.3642 -1.1290
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                              SECTION ( INLEFT WING BOT SURF
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               AL.PHA ( 1) =
                                               27/BM
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(XEBL74)

PAGE 2933

ORB LEFT HING BOT TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 ) AMES 11-073(04148) -1404/B/C DATE 10 FEB 75

DEPENDENT VARIABLE CP 9ETA ( 2) = SECTION : INCEPT HING BOT SURF -3.915 A. PHA : 11 =

.8870 .7800 .6730 .5340 0754. .3540 2390 SY/BW

.9720 -.7869 -. 2944 -.2887

-.8010 -.7651 -.3260

-.8840 -.5872 -.2282

-.8+82 -.3057 -.9223

-.33+1

-.4636 -.6522 - .4889

-.5796

-.8560

-.5472

-.4755 -.4936

-.4872 - . +2+8 +.980.--.6302 

-.5147 -.4533 \_-.5159 -.4829 -.3990 -.3082

4.266 MACH STT5.--.3574

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- 1057.3

600.60

0

.90080

DEPENDENT VARIABLE CP BETA ( 3) 3 SECTION ( I) LEFT WING BOT SURF -3.96 ALPHA ( 1: =

. 7800 .6730 5340 .427B .36+3 .2390

2V/84

.9720

.8870

-.6871 -1.2399 -1.1226 -,1513 -1,0280 -1,2865 -1,0971 -,2066 -1,0897 -1,3126 -1,1551 -,3004 -.5353 .0157 .0157 -.0392 

-.5672

-.8927

-.6002

-.9290

-.4292 -.5017 -.9211 -.8650 Brita. 18000

-.0212

- . 2955

DATE 10 FEB 76

CORB LEFT HING BOT			3276.		•	4176	-,4262								757!				
-140A/B/		BLE CP	.8870		7866	584 i		3554			9783					5389			4440
AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	. 7800		5713				3283		7284			5433		·	5172		•
5 11-073	4.266	DEPENDE	.6730		3407	2610	3564			4036		8272		5758			1814		3027
AME	p		.5340		3231	2510	3069			3729		544B		4345		4701	-,4932		
	BETA (3)	SURF	.4270	3163	2758	-,2284	7692				2893	i	8185	4620		4760	C 0 1	) )	3636
		TCB SNIH	36+0	ţ	1. 1.	2389		2839				3385	100 100 100 100 100		1		8E0+	3925	•
	-3.951	DIFFE	.2990	1750.									3522		-1.0023	62:6		. 3515	
	ALPHA ( 11 =	SECTION ( 1) LEFT HING BOT SURF	2Y/84	X/CH . 177 . 229	រល់សំស ភូមិ ÷ ស	0000 0000 0000 0000	កាលសូ ទីសីស៊ី! ទីសីស៊ី!	1.68 1.73	က် ညီ(၂) ညီ(၂)	 	ភេព ភេព	in m c 1 - 1 - 0 1 - 1 - 0 1 - 1 - 0		ព្យុក្ស ព្រះព្យុ ព្យុក្ស			ជា (១ ២ • - ៤) ជា បា (២ ជា		· ·

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PAGE 2935		3.5726																							
đ.	•••	RN/L																							
	(XEBL74)	- 1056.4 F								•										•					
		۵																							
_	ORB LEFT WING BOT	÷ 600.67																							
11-073-1		o		.9720	3339		3791		Č	e118			1621		2040			7102					5215		
PRESSURE DATA - OAI48 ( AMES 11-073-1 )	AMES 11-073(0A14B) -140A/B/C	.90127	BLE CP	.8870	6605	8138			2802	•		2567	•	1956	•	2664		•	1.1229				•	4228	
A - 0AI%	(0A14B)	ACH .	DEPENDENT VARIABLE CP	.7800	7712	7309			2745			2420					2883		6263 -1.1229			5375		·	
SSURE DAT	5 11-073	-3.868 MACH	DEPENDE	.6730	8397 8038	6209			2286		:	2131		1423	2162			2980		8257		5582			
	AM	* = =		.5340	<b>6751</b> 6471	5390	3649		218t			1576		1319	2028			202		6050		8:93. -		5072	
TABULATED		BETA (	SURF	.4270	.0122 0122	1783	מחטכ -			1826		1323		0934	8396				0.10	,	8977	4853		į	4725
		.055 B	WING BOT	.3640	.0891 737			. 0922		.0227	1351		1157			h so	!			8309		9 <sup>4</sup> 59		50/4.	3771
8 75 8		<b>b</b>	11CEFT	.2990	.0000	9800.		00%			.0307										2507		95:3	586+	•
DATE 10 FEB		ALPHA ( 2)	SECTION (	PY/BW	X/CH .010	0 0	280 280 280 280 280	. 094 094	. 150 72:	.163	ń. Ś. ń. i	i i i	348. 330	B 원 카.		.637	0 S	. 7000 0000 0000	750			9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	,		ក្នុក ភេព ភេព

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(XEBL74)

ALPHA (2)		. 055 B	BETA ( )		-3.868									
SECTION ( 1'LEFT WING BOT SURF	1.LEFT	WING BOT	SURF		DEPEND	DEPENDENT VARIABLE CP	BLE CP					,		
2Y/BW	.2990	0.36.0	.4270	.5340	.6730	.7800	.8870	.9720						
X/CH 050 053 053 055 055 055 055	2708	3643	- 4515	5272	4572	886 <b>4.</b> -								
1.000	DG / 3 *		3140		2514		2826							
ALPHA ( 2)	,	. 084 BE	BETA ( 2)	8 6	. 180	MACH	.90127	G	500.67	۵.	± 1056.4	RN/L	- 3.5726	726
SECTION ( 1) LEFT WING BOT	1)LEFT	WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP							
2Y/8%	. 2990	36+0	. 4270	.5340	.6730	.7803	.8870	.9720						
#2/X 010 - 020 -	.0336	.1125 .1139	.0939	4816 4823	7071	7382 6510	6515	3529						
	. C226	001	190.	3704	4762	5676	7056							
000 000 000 000 000 000 000 000 000 00		.1357	1282	2895				3460						
	غران.			1916	2029	2373	3208							
. 163 771.	747	7770.	1377				·	8/20°						
	•	0976	BC	1412	1927	2316	2683							
្នាស្ត្រ សម្រាក សម្រាក		0957	3					1590						
ກ ຄ. ເ ຫຼື ພີ ເ ກໍ່ສຸ ເ			0907	1326	1530		2160							
ម្ចាស់ មួយ មួយ មួយ			8672	2098	2279			2002						
653 653 653		2021				3010	2797							
ម្រើប្រជុំ មើលពី				3007	3211			694 <i>2</i>						
		•	1911			¬.6244 -1.1164	1.1164							

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PACE 2937

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Z
  (XEBL74)
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 ORB LIFT WING BOT
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                                          .9720
AMES 11-073(0A148) -140A/B/C
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                                          .8870
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                           DEPENDENT VARIABLE CP
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                                        .6730
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            BETA (2)
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                        SECTION ( 1) LEFT WING BOT SURF
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            ALPHA ( 2) =
                                                                                                                                                                                          ALPHA ( 2) =
                                      2Y/Bh
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DATE 10 FEB 76

4.248 MACH SECTION ( 1) LEFT WING BOT SURF

DEPENDENT VARIABLE CP .7800 .6730 .5340

.9720

.8870

-.3028

-.5691 -.6591

-.3246

-.3125

-.1738 -.2087

-.1501

-.5860 -.5203 -.3038

-.2138

. 1541

-.0982

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.4270

.3640

.2990

27/BH

-.3518 -.4218 -.5078 . 1721 . 1721 . 0227

-.0030

.0219

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.0203

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-.:259 -.:695 -.2049 -.2555

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				₹	MES 11-(	173 ( OA 148	AMES 11-073(0A148) -140A/B/C		ORB LEFT WING BOT	•				
ALPHA ( 2)		.055	BETA (3)		4.248					•		AEBL /4	_	
SECTION ( 1:LEFT WING BOT	1 ILEFT	WING BO	T SURF		DEPEN	DEPENDENT VAPIABLE CO	1 av							
2Y/BW	.2990	.3640	.4270	.5340		משל ט	1 0020		-					
MU/X							200	.9720						
004. 0004.			0863	1291	1514	<b>.</b>	2185							
មេ ស្រួល ស្រួល			8647	2147	2357	_		- 1945						
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1 80 00 14 00 14 00 14 00 16 16 16 16 16 16 16 16 16 16 16 16 16 1	2000		8+36											
	•	9291												
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	;	9714.	4737	<del>.</del>			4422							
ក្តុ ២ ឆ្នាំ ទី <b>១</b> ខ្មុំ	•	9162	4683	4887	4184	4747								
•	.3331	)												
A! PHA	3		ก		e952		3303							
;	: nn : <b>+</b>		BETA ( 1)	•	-3.875 M	MACH	.90140	c	.0	•		1		
SECTION ( 1)	INCEFT HI	HING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	E CP	,		<b>1</b> .	•	1056.6		
2Y/8W	.2333	GAGE.	J427C	.5340	.6730	. 7830	.8870	0270						
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. G80			•	0420				1604						

3.5771

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(XEBL 74)

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ORB LEFT WING BOT
TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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                                                                                                                                                              -.1875
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               AMES 11-073(0A14B) -140A/B/C
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                                            DEPENDENT VARIABLE CP
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                             BETA ( 1) =
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                                           SECTION ( 11 LEFT MING BOT SURF
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                             4,001
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DATE 10 FEB 76
                             ALPHA ( 3) =
                                                         2Y/BM
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PAGE 2940

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ORB LEFT WING BOT			.9720	2055		2310		1975		2559		2830		-,6690					2816		
AMES 11-07310A148) -140A/B}C	04106.	BLE CP	.8970	.0015	0508	•	0940	•	1244	ľ	1449	ř	3085	å		. 0355			ï	3860	
310A14B)	MACH	DEPENDENT VARIABLE CP	.7800	.0308	0267		0172		0522					3030		7285 -1.0355		4715		•	
:S 11-07	. 183	DEPENDE	.6730	.0831	0187		0037		0284		0424	1551			2932	8217		5552			
¥	. (S		.5340	.1753	. 0246	.0106	.0:37		-7200.		0263	1354			2316	5510		4163		4579	
	BETA C	SURF	.4270	.3784 .3784 .5004		.0992		.0430		. 0630	.0121	9615				1558	÷.9063	-,4493		. 3444	
	₩.079	INCEFT HING BOT	.3640	0004 0977	!	.2122		.2141	.0579	.0354			1213					9248	ac y		.3905
		( I)FEFT	.2990	0817	.0185		£440.	u 6	6.60							•	- 2157		1688	5982	•
	ALPHA ( 3)	SECTION	27.8W	X/CH 00. 050. 040.	. 630 . 633	080. 160. 1653.	761. 761.	. 163 . 171:	in er	390 390 390	3. 3. K	្តាល ព្រះព្រះ ព្រះព្រះព្រះ	.637	578. 078.	1. E. E.	037. 27. 2. 69.		ម្ភា មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិនិ			ת ת

	(XEBL74)						P . 1056.6				•										
1-073-1 )	ORB LEFT WING BOT			.9720			a • 601.01		.9720	340e	6	B015		e472			3216		.316.		0,00
TABULATED PRESSURE DATA - 04148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		BLE CP	.8870		2279	.90140	BLE CP	. 9870	7777	0080	i	0912	i		1362		1616	3227		9507
A - 0A14	(0A14B)		DEPENDENT VARIABLE CP	.7800	3607		MACH	IT VARIA	.7800	. 1931 . 0826	.0056		0072			0502				3060	7585
SURE DAT	11-073	.183	DEPENDE	.6730	3866	2152	4.242 M	DEPENDENT VARIABLE CP	.6730	1394	.0280		. 0089			0238		3466	1690		2520
ED PRES	AMES	u		.5340	- 4924.				.5340	.2418 .1281	.0790	.0478	.0282			.0135		0263	- 1344		2151
TABULAT		BETA ( 2)	SURF	.4270	4391	3269	BETA (3)	SURF	.4270	3038	1959	.1247		.0612		.0397		.0145	9355		1606
		4.079 BE	WING BOT SURF	.3640	3473		4.001 BE	WING BOT SURF	.3640	1436	•		. 1757	.2181	9770		+S+0.			1209	·
3 76		j u	DLEFT	.2990	Ś	c83+	<i>*</i>	1 ) LEFT	.2990	2022 .0000	0314		.0088		.0730						
DATE 10 FEB		ALPHA ( 3)	SECTION (	2Y/8W	X/CH .950 .050 .050	1.000	ALPHA ( 3)	SECTION (	2Y/BW	010. 010.		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			. 229 845	. 255 475.	# 0 6	B & K	រូបស្គាល់ រូបស្គាល់ រូបស្គាល់ រូបស្គាល់ រូបស្គាល់	7.5.7. 0.20.0	5.5

RAZ

PAGE 2942										MA/L = 3.3//!									
į	(XEBL74)									* 1056.6									
•	ORB LEFT HING BOT									= 600.85 P									
1-073-1	ORB L			.9720		3079				a	æ	.9720	2741	1995		1814		.1805	) 
( AMES 1	40A/B/C		E CP	.8870			3886		2631	.90130	е В	.8870	.3551	.2466		. 1022		.0281	
- 0A14B	A148) -1		VARIABL	.7800		4850	•	3640	·		T VARTAB	.7800	.5014	.2616		11811		.1012	
PRESSURE DATA - CAIWB ( AMES 11-073-1	AMES 11-073(0A148) -140A/B/C	<u> </u>	DEPENDENT VARIABLE CP	.6730	7152	5572		- 3938	2468	-3.872 MACH	DEPENDENT VARIABLE CP	.6730	.3833	.2668		. 1850		.1266	
	AMES	* #.242	u	.5340	5737	4367	4483	4761				.5340	.4947	₩2674	. <del>2</del> 160	.1800		. 1481	
TABULATED		(E) (3)	SURF	.4270	8730	0.4340	4344	4290	3248	BETA ( 1)	SURF	.4270	. 4205 4712	3815	.2667		.1876	. 1535	
		N BETA		.3640	1983	9073	4575		35/2	.933 BE	WING BOT	.36+0	-, 1700	. 1260	9595		.3283	1981.	. 1506
85		4.001	DEFT WING BOT	2990			8624		3402		DLEFT	. 2990	1620	.0452		. 08+6	1603		
DATE 10 FEB 76		ALPHA (3)	SECTION (	2Y/BW	X/CH 2775 808		. 865 8. 878 878 878 878	9.00.00.00.00.00.00.00.00.00.00.00.00.00	. 859 . 859 	ALPHA ( 4)	SECTION (	2Y/BW	X/CH .010	<b>0+0</b> 020	9.080 8.000 800 8		163	W. C. F.	. 390 . 390

(XEBL74)

																•					
																<b>a</b> .					
	ORB LEFT WING BOT															<b>=</b> 600.85					
11-073-1				.9720	Ç	RAUB	6697				į	3971				o		.9720	4402	3272	
0A148 ( AMES 11-073-1	-140A/B/C		BLE CP	0.00	0308	2156		-1,0089					3962		3083	. 90130	BLE CP	.8870	.4155	.2262	
			DEPLNDENT VARIABLE	.7800			1899	- B167			5430			4793		MACH .	NT VARIABLE	.7800	.4628	. 2542	
TABULATED PRESSURE DATA -	AMES 11-073(0A148)	-3.872	DEPLNDE	.6730	. 0759	0631		2116	7533		5213			4158	2480	H 171.	DEPENDENT	.6730	. 374.	.2616	
TED PRES	AME			. 5340	.0848	0345		1416	5720		4515		4720	##6#		s) •		.5340	.3871	1165.	. 2345
TABULA		BETA ( 1)	SURF	.4270	. 1211	6177			1132	9588	4692		4171	1.404.	2980	BETA C 2	SURF	.4270	8775. 8775.	•	
		7.933 8	HING BOT	. 3640			0347		!	1332	9088	-, 4745		3446		8.028	DILEFT WING BOT	3640	88.22 9.09.02	3	
376		7.5	I ILEFT MING	.2930							98/1:-	9098	5992	1	2461	•		.2990	3574 .0000	0412	
DATE 10 FEB		ALPHA ( 4)	SECTION (	2Y/IIM	42/× 664.	ស ស្ត្រីស្តិត ស្ត្រីស្តិត ស្ត្រីស្តិត	. 637 650 650	.670 .700 .255		. 799 . 609	8.00 4.00 4.00 4.00 7.00 7.00	989. 888. 878.	000 800 800	e. 686. 686. 686.	1.000	ALPHA ( 4)	SECTION (	247BH	20/X 010:	9 B B B B B B B B B B B B B B B B B B B	.083

1056.6

TABULATED PRESSURE CATALON CAT	-075(UA148) -140A/B/C CC -	18 BET& (2) € .177	DEPENDENT VARIABLE CP	.3640 .4270 .5340 .6730 .7800 .8870 .9720	.2703 .2186	##61:	. 1845 . 1516 . 1238 . 1836 . 1836 . 1516 .	.0754 .05900692	.11010723		039619945656	14138369 -1.0003	1212 6151 7454		9070 4407515754.19			-, 4864 -, 4113 -, 4847 -, 4213 -, 4219	-, 3280 32454
e <b>v</b>			11 LEFT WING BOT SURF	54° 049£.					<b>-</b>	9.	0396			•	.9070	.4823	3755		
- ار		<b>8.028</b>	DLEFT W	.2990	.0320	!	. 1275								1826	8873	6131		3205
DATE 10 FEB		ALPHA ( 4)	SECTION C	2Y/8W	M2/X 180. 286.	.157 .163 .771	ហំពុំ សូងពី សូងពី	15.5 10.00 1	503.		.637 .637	. 570 . 700 . 757		. 798 806.	839 839 850 850 850 850	. 988. 888. 887.	CC0.	1000 1000 1000 1000 1000 1000 1000 10	2.500. 1.000.

				AM	S 11-0	73(0A14B)	AMES 11-073(0A148) -140A/B/C		14 H	ORB LEFT WING BOT			S
ALPHA ( 4) .		8.031 BI	BETA ( 3)	•	4.235	MACH .	.90;30	ø		600.85	۵.	•	<u></u>
SECTION ( 1) LEFT WING BOT SURF	11667	WING BOT	SURF		DEPENE	DEPENDENT VARIABLE CP	IBLE CP						
24 / DH	. 2930	3640	.4270	.5340	.6730	0087. (	.6870	.9720					
X/CH													
9	5368		.1058	.4538	.3978	3 .4061	.3535	į					
	. 0000	- 1543	7.558 7.154	. 384C	•		•	5473					
	1256			.2955	.2598	3 .2465	.211¥						
				i				4721					
190.			2558	. 6344									
		.1453	)   										
	0286												
				1779	٠. ا	0.15±0	959 4	1026-					
. 163		.2811						!					
652	0060		1815										
10. 10.		. 1683		f									
ָ קייי קייי			.1515	S	<b>*</b>	3C90.	P						
E T		:						€907					
D C C C C C C C C C C C C C C C C C C C		. 1422		0677	2020		4.00						
100 100 100 100 100 100 100 100 100 100			. 1629										
.503 			·	- 0555	- CB12			3082					
55.			7046										
. ES3.		GAAG					2668						
659						2100							
יפי. ביקר					7206		٠	5360					
857.			·	1492									
라. 라.			1776			8543	9837						
70/.			13/0										

-.4166

-.4357

-.3691

-.4933

-. 5955

-.4710 -.4916 -.5209

-.4356

3.5771

TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1 )

DATE 10 FEB 75

S462 394a	(XEBL74)						P = 1056.9 RN/L = 3.5829														
073-1 )	ORB LEFT WING BOT			.9720			0 = 601.36		.9720	3512	orec -	Tr co	1600			1099		1935	60		
PRESSURE DATA - DAINB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		RE CP	9. 0788.	_	3394	.90157	RE CP	. 8870	.5340	.4173	•	. 24.28	•	. 1563	-	0890 .	1503			
- 0A14E	0A14B) -		IT VARIAE	.7800	4616		·	IT VARIAE	.7800	.5906 .5577	2454.		.3293		.2378				1292	CEC	
URE DATA	11-0730	4.23E	DEPENDENT VARIABLE CP	.6730	4197	2832	-3.859 MACH	DEFENDENT VARIABLE CP	.6730	.6091 .5593	*624		.3348		5570		.1766	. 0263		1895	
	AMES			.5340	4 <u>8</u> 41				5340	.6326 .5749	2774.	.4061	.3335		.2701		. 1835	.0508		1361	
TABULATED		BETA (3)	SURF	.4270	4162	3052	BETA ( 1)	SUPF	.4270	.2121 .42524	\$ 10 pg	1013.		3259		. Z716	¥15.				
			HING BOT	3640	3439			WING BOT	.3640	5579 1395	Uc'o /	.280 <del>.</del>		£ 13.	.3313	X.			9. g		
9 76		= 8.031	IILEFT H	.2390	·	4376	<b>11.980</b>	11LEFT W	. 2990	9274 9000	0169		.0835	;	\$						
DATE 10 FEB		ALPHA ( 4)	SECTION (	2Y/84	7/x 20. 20. 20. 20. 20. 20. 20.	. 955 1.030	ALPHA ( 5)	SECTION (	2Y/B.	20.0 010.	ភ្នំ ក្នុ ភ្នំ ក្នុ	2.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	S. C.	1777	8 8 8 15 1	10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	្ត ខេត្ត ខេត្ត	ស់សូម នាសូម សូម	(189. a (189. a (189. a		

BULATED PRESSURE DATA - DAIMB ( AMES 11-873-1 )	AMES 11-073(04148) -1404/8/C ORB LEFT WING BOT (XEBL74)	,	DEPENDENT VARIABLE CP	.7800 .8870 .9720		5393	T848	.7025	4323	H = .90157 G = 601.36 P = 1056.9 RWAL	DEPENDENT VARIABLE CP	.7800 .8870 .9720	.4821 .4241 .4979 .43625105	.4163 .3710 - 7496		.3087 .20782123		.2137 .1225	
3-1 )	B LEFT WING			6		m						0	មា	Œ	•	ęs es			
11-07		•		.972		539				Ø		.972	510	4		212			
B C AMES	-140A/B/C		OLE CP	.8870			849T		4323	.90157	BLE CP	.8870	4. 4. 4. 4. 4. 4. 4. 4.	.3710		.2078			
A - 0A14	(0A14B)		NT VARIA	.7800		7376 -1.0110		7025		MACH	NT VARIA	.7800	.4979	.4163		.3087			
SURE DAT	5 11-073	-3.859	DEPENDE	.6730	8837	7376		5209	3924	. 183 .	DEPENDE	.6730	.5279 .5184	.4473		.3215		¥0±2.	
TEO PRES	AMC			.5340	8185	5746	-, 4998	<del>4</del> 960				.5340	.5479 .5304	.4519	.3870	.3157		. 2559	
TABULA		BETA ( 1)	SUR	.4270	9929	7646	1000	4127	3136	BETA (2)	SURF	.4270	. 2633	9 •	. 3809		.3133		
			AING BOT	.3640	1571	+205	6968	4683			HING BOT	.3640	#004 #005	1:03	1010		.3750	. 2809	
FEB 76		= 11.980	SECTION I TILEFT WING BOT SURF	. 2990		- 1856	9217		3150	= 12.020	SECTION ( 1) LEFT WING BOT	.2990	6832	1179		.0059		1631.	
10 FEE		ALPHA ( 5)	3 70		X/CH .775 .798		ກີດ ພັກ ກີດ ຜູ້ທີ່ໄ	លេខមាល លេខមាល លេខមាល	18 S	ALPHA (5)	2		2/CH 010. 050.		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	177	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

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           (XEBL 74)
                                                                                                                                                                                                                                                                                1056.9
            AMES 11-073(0A148) -140A/B/C ORB LEFT HING BOT
                                                                                                                                                                                                                                                                                 - 601.36
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )
                                                                                   -.2588
                                                                                                                                                                                                                                                                                                                                                       -.4836
                                                    .9720
                                                                                                                          -.5597
                                                                                                                                                                                                                                                                                                           .9720
                                                                                                                                                                                                                                                                                                                              . 3546
. 3546
                                                    .8870
                                                                      .0310
                                                                                                                                                                                                                                                                                 .90157
                                                                                                                                                                                                                                                                                                            .8870
                                                                                                                                                                                                                                                                                                                                                 .3210
                                                                                                       -. 1843
                                                                                                                                                                                                                                                                      1.4745
                                      DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                              DEPENDENT VARIABLE CP
                                                                                                                                             -.8165
                                                                                                                                                                                                                                                                                                           .7800
                                                                                                                                                                                                                                                                                                                              . 4248
                                                                                                                                                                                                                                                                                                                                                 197E
                                                    .7800
                                                                                                                                                                                        -. 6620 -.7+10 -1.0066
                                                                                                                                                                                                                                          -.5076 -.505% -.7097
                                                                                                                    1.152
                                                                                                                                                                                                                                                                                  4.256 MACH
                                                                                                                                                                                                                                                                                                           .6730
                                                                                                                                                                                                                                                                                                                               .4323
.4525
                                                                                                                                                                                                                                                                                                                                                 .4116
                                                    .6730
                                                                                                                                                         -.9035
                                                                                          .0118
                                                                                                                                                                                                                                                                     1114.-
                                                                                                                                -. 1915
                                                                       . 1601
                          . 183
                                                                                                                                                         -.8734
                                                                                                                                                                                                                                                                                                                                                .4129
                                                                                                                                                                                                                                                                                                                              .4638
                                                    5340
                                                                       .1704
                                                                                          .0403
                                                                                                                                                                                                                                                                                                           .5340
                                                                                                                                                                                                                                                                                                                                                              .3559
                                                                                                                                                                                                                         -.5349
                          BETA ( 2) =
                                                                                                                                                                                                                                                                                  BETA ( 3) =
                                                                                                                                                                                                                                                                                                                               -.2119
.0983
.32:9
                                                                                                                                                                                                                                                  -.3666
                                                                                                -.5837
                                                                                                                                                                                                                                -.5163
                                                                                                                                                                                                                                                                                                            DT54.
                                                                              .2039
                                                                                                                                                    -. 1593
                                                     .¥270
                                                                                                                                                                                               -.8520
                                                                                                                                                                                                                                                                      -.2853
                                                                                                                                                                      -1.0057
                                                                                                                                                                                                                                                                                               SECTION CITIEFT HING BOT SUPE
                                       SECTION ( 1) LEFT HING BOT SURF
                                                                                                                                                                                                                                                                                                                               -.3811-.3027
                                                                                                                                                                                                                                                                                                             36+0
                                                      3640
                                                                                                                                                                                                                                      -.5604
                                                                                                                                                                                                                                                         -.3556
                                                                                                                                                                 -.1571
                                                                                                              .0469
                           ALPHA ( 5) = 12.020
                                                                                                                                                                                                                                                                                   ALPHA ( 5) = 12.054
                                                                                                                                                                                                                                                                                                                               -.7323
                                                                                                                                                                                                                                                                                                            .2993
                                                                                                                                                                                                            -.8935
                                                                                                                                                                                                                                                                                                                                                  -.2103
                                                      2990
                                                                                                                                                                                                                         -.6032
                                                                                                                                                                                                                                                                +707.
                                                                                                                                                                              - 1855
  DATE 10 FEB 75
                                                                                                                                                                                                                                                                                                                         27/BM
                                                     2Y/BH
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(XEBL.74)

TABULA	
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10 FEB	
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- 12.054 BETA (
3 420 8 1 HING B01 3640 -3172 -2334 -3172 -6234 -1643 -15958

(XEBL75) ( 05 AUG 75 )	PARAMETRIC DATA	RUCDER = -5.000 SPDBRK = 55.000 BDFLAP = 16.300 L-ELVN = -10.000 R-ELVN = -10.000 MACH = .600	P * 2386.4 RN/L * 4.8576															
ORB LEFT WING BOT			* 594.32															
			c		.9720	-1.1867	1,274			+!¢¢		5297	6030		808			
AMES 11-073(04148) -140A/B/C			.59648	RE CP	.8870	-1.4329 -1.2995 -		l	7711	·	5269	. 3989	·	4934		2/50		
(04148)		808 848	масн •	DEPENDENT VARIABLE CP	.7800	-1.5850 -	-1.2098 -1.1457		7382		6664			  				3614
S 11-073		076.6800 IN. .0000 IN. 375.0000 IN.	-7.854 M	DEPENDE	.6730	-1.7158 -1.5702	-1.2478		1919		4377	3215	3469		4752	5625		4656
AME		1076. 375.			.5340	-2.0858 -1.8555	-1.0337	8084	5296		3673	2878	3157		3711	6329		4758
	TA	XMRP YMRP ZMRP	BETA ( 1)	SURF	.4270	-1.2334	5	6772		4283	, 17 17 17	•	יייייייייייייייייייייייייייייייייייייי	;		3655	7619	
	REFERENCE DATA	50.FT.		HING BOT	.3640	7333		- 1782		4213	4180	2905		2936		i i	7 1 1	5106
	REFE	2690.0000 474.8000 936.0590	3.999	C DLEFT HING BOT	.2990	3199 0000	2639		2441		- coo						3360	ı
		SPEF = CREF = BRE = SCALE =	ALFIM ( 1)	SECTION (	2Y/8W	X/C 010		180 180 180		103	ភ្នំក្នុក ភូមិស្គ ភូមិស្គ	# C B C	, e. e. e.	609 7.86 026	075 007.	027. . 750 . 775		. 839 . 855

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(XEBL 75)

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ORB LEFT WING BOT
                                                                                                 -.7379
AMES 11-073(0A148) -146A/B/C
                                                            .8870
                                       DEPENDENT VARIABLE CP
                                                           .7800
                                                           .6730
                     -7.854
                                                            .5340
                    BETA ( 1) =
                                                           .4270
                                                                                         -.3830
                                       SECTION ( 1) LEFT WING BOT SURF
                                                           .3640
                    -3.999
                                                            . 2990
                     A_PHA ( 1) =
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2386.4 594.32 .9720 Ø -3.848 MACH . 59648 -.3042 .8870 DEPENDENT VARIABLE CP .7800 -.2510 -.3868 -.1482 .6730 -.0993 .5340 -.3614 BETA ( 2) \* -.1437 -.2814 -.0812 .4270 SECTION ( 1) LEFT HING BOT SURF -. 2286 .3640 -. 3334 ALPHA ( 1) = -3.939 -.5370 -.3267 .2990 -.1300 X/CH .857 .865 .865 .900 .900 .919 .919 .950 .950 .950 .950 2Y/BW

4.8576

Z

-.5071 -.9883 915. -. 5525 -.9031 -2.1648 -1.9714 -1.6464 -1.4753 -.9662 -1.9530 -1.7996 -1.3514 -1.3427 -.8293 -.9330 -1.1559 -1.1840 -1.1445 -.4853 -.3799 -.6817 -.4827 +.4604 -.45g4 -.5313 -.6553 -.3040 -. 3402 -.2583 F. 707. -.3371 -.3091 -.2332 -.2975 -.2039 -.5791 -.4764 -.4101 -.3907 -.2620 -.3153 -.359: -.2042 -.1608 -.1801 - 191

DATE 10 FEB	55		TABULATED	ED PRESSI	URE DATA	- 0A148	PRESSURE DATA - DAI48 ( AMES 11-073-1 )	1-073-1				<b>.</b>	1 AUE. E-306.	
				AMES	11-0730	AMES 11-073(0A148) -140A/B/C	140A/B/C	ORB LEF	ORB LEFT WING BOT		(XEBL/3)	•		
ALPHA ( 1)	-3.939		BETA (2)	-3.848	848							•		
SECTION	1 ILEFT WING	. 108	SURF		DEPENDEN	DEPENDENT VARIABLE CP	E CP							
	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720						
X/Сы .637 .650		2854				4500	•	7652						
578. 857. 251.				3612	4793	6981	6817							
. 760 . 750 . 775			3593	5708	5684									
.808		4172	7719											
. 8339 950 776	3509	5290	1165	4841	8454	3775								
	5765	- 1867												
, o	3758	•	1712 -	4186			3068							
ດ ຄ. ຄ. ຄ. ຄ. ຄ.		2562		3235	3170	1514								
. 858. 858.		1679	2078											
1.000	1660		1032		0932		1025		i	(			B 8576	
ALPHA ( 1)		938	BETA ( 3)	•	. 187	MACH .	. 59648	ø	. 59. X	Q.	• · · · ·	Ì		
SECTION (	1 JLEFT	11LEFT WING BOT SURF	SURF		DEPENDE	DEPENDENT VARIABLE CP	RE CP							
SY/EW	.2390	.3640	.4270	5340	.6730	.7800	.8870	.9720				<b>-</b> .		
X/CH 010.	1064 . 0000		6477	-1.9413	-2.0654 -1.7713 -1.8070 -1.4300	-1.7713	-1.5390	8957						
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1124	•	6337	8353		9420 -1.1451 -1.1259		6973	•			. <b>-</b>		
3000 3000 3000 3000 3000 3000 3000 300		1551	9.774	6356										
	1049	•		4198	4858	5823	6373	3629	·					
. 163		2213												

(XEBL.75)

ORB. LEFT WING BOT .9720 -.5714 -.5046 -. 7531 AMES 11-073(0A148) -140A/B/C .8870 B+9+·--.3105 -.3755 -.4275 -.4454 -.2825 -.7158 -.6732 -.3551 DEPENDENT VARIABLE CP .7800 -.4398 -.4803 -.4329 -.3695 -.2675 -.1539 .6730 -.3476 -.2584 -.2935 -.2978 -.3358 -.5311 ~.5690 .187 .5340 -.3426 -.4355 BETA (3) .4270 -.2691 -.2216 -.1676 -.2225 -.3383 -.3215 -.3515 -.7400 -.3920 SECTION ( 17 LEFT WING BOT SURF .2990 .3640 -.2378 -.2996 -.2767 -.2729 -.4211 -.3714 -.1905 ALPHA ( 1) = -3.938 -.0586 -. 3482 -.3961 -.6022 2Y/BW

-.0975

-. 1340

-.1200

-.2266

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PAGE 2954	(XEBL75)	P = 2386.4 RN/L = 4.8576																			
	ORB LEFT WING BOT	594.32																			
PRESSURE DATA - DAINB ( AMES 11-073-1 )	ORB LEFT	0	••	.9720	8150	6022		3232			4130		4910		- 6660						
I CAMES 1	AMES 11-073(0A148) -140A/B/C	.59648	LE CP	.8870	-2.0024 -1.8397			4878		3752	•	3128	•	4203	•		200.		·	2562	
4 - 0A148	10A14B) -	• 5	DEPENDENT VARIABLE CP	.7800	-2.1944 - -1.5842 -	9487 -1.0744		4718		3695					4173		e//o		3777		
SURE DATA	5 11-073	4.266 MACH	DEPENDE	.6730	-1.8174 -	8154		4282		3378		2678	3134			+529	- 5478		4050 !		
	AME			.5340	-1.5990 -	7134	5543	3677		2809		2425	-,2819		•	3352	#5 20 3	! !	4656	33	
TABULATED		BETA ( 4)	SURF	.4270	4:83	10/5	3801		2925	- (	2451	י אטני	3.	1963			3553	7392	3749		3157
			MING BOT	.3640	1164	0905	0737		1 1 t t t	- 2474 - 1		2071			2627			4082	5285	3716	2732
3.76		-3.926	DIFFE	. 2990	0505	2.0645		0343		נאכט נאכט									3564	6131	
DATE 10 FEB		ALPHA ( 1)	SECTION (	EY/BW	х. Сы . 610 . 620	5. 5.0.0 5.0.0			163	1	יר ות תייחי	CON	  		.637 0ca.	50. 50. 50. 50. 50. 50. 50. 50. 50. 50.	ပ္ကရာ နှ (၂၉၂)	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ກ ທ່ອງ ກຸທິດ ກຸທິດ ຕຸດ	500 616

DATE 10 FEB 76

4.8576

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(XEBL 75)
                                                                                                                                                  - 2386.4
                    ORB LEFT WING BOT
                                                                                                                                                 594.32
TABULATED PRESSURE DATA - DA148 ( AMES 11-073-1 )
                                                                      .9720
                                                                                                                                                                                                                -.7017
                                                                                                                                                                                 .9720
                                                                                                                                                                                                                                          -.5114
                                                                                                                                                                                                                                                                                                                                                                                                                                      -.5071
                                                                                                                                                                                                                                                                                                                                                                                       -.3863
                 AMES 11-073(0A148) -140A/B/C
                                                                     .8870
                                                                                                                                                                                                       -1.1950 -1.45.9 -1.9917 -1.9169
-.9485 -1.1060 -1.3013 -1.7209
                                                                                                                              -.1373
                                                                                                                                             MACH = .59648
                                                                                                                                                                                .8870
                                                                                                                                                                                                                                                                                 -.3149 -.3696 -.4090 -.4422
                                                                                                                                                                                                                              -.5547 -.6879 -.8153 -.8824
                                                   DEPENDENT VARIABLE CP
                                                                                                                                                              DEPENDENT VARIABLE CP
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                                                                    .7800
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                                 BETA ( 4) =
                                                                                                                                           BETA ( 5) =
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-.2373
-.3029
                                                                  .3640 .4270
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                                                                                                                                                          SECTION ( 1)LEFT WING BOT SURF
                                                SECTION : DILEFT WING BOT SURF
                                                                                                         -. 1931
                                                                                                                                                                                                      -.0322
-.0050
.0370
                                                                                                                                                                                                                                                               -.0027
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                                                                                                                                           ALPHA ( 1) = -3.941
                                 -3.926
                                                                 .2990
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                                                                                                                  -.2885
                                                                                                                                                                                                     -. 5274
                                                                                                                                                                                                                                                                       -.0366
                                                                                                                                                                                                                              -.0343
                                                                                                                                                                                                                                                                                                                 -.0283
                               ALPHA ( 11 =
                                                                                 X/CM
. 950
. 953
. 953
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. 1000
                                                                2Y/Bu
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PAK.																				
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	(XEBL75)									- 2386.3										
										۵.	-									
•	ORB LEFT HING BOT									<b>s</b> 593.85										
1-073-1	ORB LE			.9720		5402				ø		.9720	4033	3478		2417			2911	
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	AMES 11-07310A1481 -140A/B/C		BLE CF	.8870		·	2261		1193	.59624	BLE CP	.8870	-1.1024 -1.0921	6603		3308		2772		
- 0A146	OA148)		T VARIA	.7800		3737		1494		MACH .	IT VARIA	.7800	-1.2188	6557		3157		2680		
WRE DATA	3 11-0730	8.332	DEPENDENT VARTABLE CF	.6730	5207	3631		٠. 18	130S	-7.890 M	DEPENDENT VARIABLE CP	.6730	-1.1453	6018		3030		2552		
ED PRES	AMES			.5340	4036	e. 4349	.4190	3312				.5340	-1.0974	5844	4511	2895		2108		
TABULAT		BETA ( 5)	SURF	.4270	0£89°-	3731	3191	2252	1267	BETA ( 11	SURF	.4270	3573	<del>1</del> 300	3407		8424	!	1833	
			ILEFT WING BOT SURF	.3640	3988	5231	3815	2903		.043 EII	MING BOT	36+0	1067	0973	8888		1497	2234		1655
56		-3.941	DLEFT X	.2990		. 533	6243 4248		3251	ı,		. 2990	6201	0637		0739		0690		
DATE 10 FEB		ALPHA ( 11	SECTION (	2Y/84	X/CW .775 .798			91.90. 0.00.00.00.00.00.00.00.00.00.00.00.00	. 955 1. 330	ALPHA ( 2)	SECTION ( DLEFT	2Y/84	807X 010.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2000 0000 1800 1800	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	153	ห เกาะ เกาะ เกาะ เกาะ เกาะ เกาะ เกาะ เกาะ	7.5. 345.	390

4.0579

PAGE 2957																* 4.8579				
(XEBL75)																- 2386.3 RN/L				
VG BOT	<u>.</u>															593.85 P				
PRESSURE DATA - OAIHB ( AMES 11-073-1 ) AMES 11-073(DAIHB) - 148A/B/C ORB LEFT WING BOT			.9720		3790		4878					3507				0 59		. 9720	3562	2995
PESSURE DATA - DAIHB ( AMES ) AMES 11-073(DAIHB) -146A/B/C		PLE CP	.8870	2471		3834		6476					2450		0891	.59624	LE CP	.8870	9245 9713	5835
A - 0A146		DEPENDENT VARIABLE CP	.7800				5743	6065			4209			1400		MACH .	DEPENDENT VARIABLE CP	.7800	-1.0274	5724
SURE DAT	-7.890	DEPENDE	.6730	2084	2788		4305		5618		4354			860 <del>1.</del> -	1136	-3.863 M4	DEPENDEN	.6730	9554 - 7687	5338
	1) = -7		.5340	1866	2517		1	?	6569		4961		3750	2206		1 = -3.		.53+0	8563	4:81. 3849
TABULATED	BETA ( 1	SURF	.4270	6441	2690			- 4400	•	2747	3960		2628	1638	0673	() 4	SURF	5754.	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	0 .
	Q43	WING BOT	3640			2418			3983		7016.	3267	u u	1917		09: BET.	WING BOT	.3640	M 100	
9 76	n	1)LEFT	2990							3246		5419	3218		1117	•	THEFT W	2662.	8,000 8,000 8,000	9279
DATE 13 FE	A. PHA ( 2)	SECTION (	PY/EW	#2/X 004. 404.		.639 .537		157. 187.	27.7. 27.7.	87 45 6 87 89 6		 	0 0 0 0 0 0	្ត	3.85 1.000	ALPHA ( 2)	SECTION (	2Y/EH	5000 3000 X	2.1.1.0 2.0.0 2.0.0 2.0.0 2.0.0 2.0.0 2.0.0 3.0 3

(XEBL.75)

1-073-1	ORB LEFT WING BOT	
TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )	AMES 11-073(04148) -1404/8/C ORB LEFT WING BOT	.091 BETA ( 2) = -3.863
BULATED !		( 2) =
TAE		BETA
		160.
DATE 10 FEB 75		ALPHA ( 2) =

		.9720	6		. 2634 4634		3503	1.44			# 12 P			
	LE CP	.8870	3099		2598	2366	3756		6407			3446		1005
	DEPENDENT VARIABLE CP	.7800	2842		2528			3718	5912		4220		. 1548	
2.007	DEPENDEN	.6730	2701		2299	1980	7:75		9484°-	5637	4386		3649	0959
		.5340	2525		1939	1759	2432		3363	5858	5038	4117	2769	
מבוא י בי	SURF	.4270	2667	2094	1674	- 1440	2217			3377	7609	. 2920	1812	0758
160.	AING BOT	3643	0007	0915	1815	1447		2289		3539	5245	3480 3480	1479	
,	THEFT I	.2930	0406	03 <sup>45</sup>							3298	5776	•	1.10.
ALLE CO	SECTION ( 1) LEFT MING BOT	2Y/8W	47/X .081 .086 .094	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ស្នំស្ន ស្នាល់ ស្នាល់ ស្នាល់	ក្រុក ក្រុក ក្រុក	មាំមាំមាំ អ្នកស្រួក	ក់ ក្រុម ក្រម ក្រុម ក្រុម ក្រុម ក្រុម ក្រុម ក្រុម ក្រុម ក្រុម ក្រុម ក្រុម ក្ ក្ ក្ ក្ ក្ ក្ ក្ ក្ ក្ ក្ ក្ ក្ ក្		85. 100. 100.	8.88.88 8.88.88 8.88.88	ម្ចាប់ មេខ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ ម	ភ ២ ស្គាល់ ភ ១ ស្គាល់ ភ ១ ស ស ស	. 365 1.000

PACE 2959	(XE8L75)	* 2386.3 RN/L = 4.8579																				
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-	ORB LEFT WING BOT	<b>s</b> 593.85																				
11-073-		o		.9720	3114		2738		2197		2412		3280		4032				Ş	900. 1		
PRESSUME DATA - DAIMB ( AMES 11-073-1 )	4MES 11-07310A14P1 -140A/B/C	.59624	BLE CP	0.8870	8356	5457	•	8	960 -	2528	•	2336		3637	•	6109			!	1	2301	
1 - 0A14	0A146)	MACH	IT VARIA	.7800	8872 7189	5128		Ş		2374					3680	6086		•	*			
SUPE DATA	5 11-073	. 181 .	CEPENDENT VARIABLE CP	.6733	7964	4470			) ,	2115		1911	2641		. 4276	•	5577.		, ,			
_	API			.5340	6313 E:90	39€5	3242	Ċ		1703		1665	2400			3271	5914		DOOR		- , 4055	
TABLLATER		BETA : 3	SURF	.4273	1980. - 1988	681.	2010		1673	;	1 488	1322	2237				534B	7683	3924		3099	
		38 2EO	H114G BOT	CHOE.	. 035 . 0395 . 0395			+0+D.	0325	. 1483	200		·	2247			. 3935	. 5455	•	3556		ů
9. 9.		D D	: 376:	. 2393	. 0005 4600	3145		0240		0159								3365		(D	. ₩004	•
DATE 13 FEB		ALF46 (2)	SECTION 1	2Y/BK	#27.X 010. 050.	200		9 7 to 1	163	ស្តុក មិន្តិ សូវ	អូមា ភូមិ ភូមិ ភូមិ	200 a.	ស្តេច សូម្ពាស់ សូម្ពាស់ សូម្ពេស សូមពិស សូមពិស សូមពិស សូមពិស សូមពិស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស ស	. 637 7. 637	. 25. 07.6. 007.	6, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	20 20 20 (C)		1857 197			hih.

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AMES :-073(0A148) -140A/B/C ORB LEFT HING BOT.

.181

BETA ( 3)

.092

ALPHA ( 2) =

DATE 10 FEB 75

TABULATEC PRESSURE DATA - DAIMB ( AMES 11-073-1 )

			RN/L . 1.8579												
			• 2386.3												
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			593.85												
	<b>C</b> 3		•		_			•				•	_		
	.9720		O		.9720	2474	į	ec/23		9800.		2213	2990	75 m	
BLE CP	.8870	0878	.59624	BLE CP	.8870	6219 6512	4493		2682		2320	2197		٠. يې م	. 58%
DEPENDENT VARIABLE CP	. 7800	1447	F	IT VARIA	. 7800	6513	4222		2240		2148			3690	6316
DEPENDE	.6730	2848	4.247 MACH	DEPENDENT VARIABLE CP	.6730	6038	3523		2099		1955	1800	2545		- 4229
	.5340	2789			.5340	4512 4572	3025	2620	1875		1525	1601	2333		3177
SURF	.4273	189:	BETA ( 4)	SURF	DL24.	.1197	5080 ·-	1396		1356	1709		_		3309
THEFT WING BOT SURF	.3640	1740	.077 BE	IING BOT	3640	M 01	? 5	9	n	.0101	1190	1096		2184	
1) LEFT 1	. 2990	2142	u u	I JLEFT W	.2993	6291 . 0000	0199		0178	1 2 2 1					
SECTION (	2Y/84	x/Cw .950 .953 .955 .000	ALPHA ( 2)	SECTION CITIEFT WING BOT SURF	2Y/Bk	87/x 0:0: 0:0:	ခဲ့ လ ခု ညီ	1880 1880 1880 1880	0 + E) to 10 10 10 10 10 10 10 10 10 10 10 10 10	103 1771	i i i i i i i i i i i i i i i i i i i	ကြောင်းလ (နောက်လ (နောက်လ (နောက် (နောက်)	ល់ស្គំល់ ឯបសិស ខេត្ត	a ក្រុម្បា និយុំម៉ាំដ	201. 201. 201. 201.

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              (XEB.75)
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              ORB LEFT WING BOT
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TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )
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               AMES 11-073(0A148) -140A/B/C
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                                            DEPENDENT VARIABLE CP
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-.4503
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-. 2880
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                              BETA ( 4)
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                                                                                                                                                                  -. 3224
                                                                                                                                                                                                                                                           .4270
                                                                                                -.7+33
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                                            SECTION ( 11 LEFT WING BOT SURF
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                                                             36+0
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DATE 10 FEB 76
                                                                                                                                                                                                                              ALPHA ( 2) =
                              ALPHA ( 2)
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(758175)																								
11-073-1	ORB LEFT WING GO!			.9720		1487			1479		2703		Coa						2000					
				.8870		0986		.1100	<b>,</b>	1499	•	3353			556708					1964	50		.0001	
TABULATED PRESSURE DATA - (	AMES 11-07310A14	₩08	DEPENDENT VAL. ALLE CP	.730 .7800		08000795		08611026		1016		2078	A-02	4061	7265	5638		0E+E - E+E+ -			34ng0920		0483	
teo pressi	AMES	-7.	_	5340		0793		0585		0884		1814		912		ET17		4926.		3345	. 1693		•	
TABULA		BETA ( 1) .	SURF	.4270	0605.		0585	•	0538		0542	2814				3093	7586		3915		2383	1284	0339	
			ING BOT SURF	3640	.1399		.0574	0562		0472			1759				3745	505+		3155	1919	1066		
9.76		- 4.023	11LEFT W	.2990		.0351		.0382										3003		F. 3557			0972	
DATE 10 FEB		ALPHA (3)	SECTION (	2Y/8W	X/CW 160.	400. 150.	163	6 6 6 6 6		390	00 K	. 550 . 550	.600 .637	16.5	55. 65.	. 75 27.	808.	\$ 65.00 \$ 65.00 \$ 65.00	. 857 958	258. 678	208. 818.		. 965 . 1000 . 1	•

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DATE 10 FEB 76

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				AM	ES 11-0	73(0A148)	AMES 11-073(0A148) +140A/B/C		EFT W	ORB LEFT WING BOT		(XEBL.75)			
ALPPA (3) =		4.026 BE	BETA (2)	*	-3.864	MACH	0+96€. =	σ	*	594.21	۵.	= 2386.5	PN/L	• 4.8659	~
SECTION ( 1	DULEFT 1	WING BOT	SURF		DEPEN	DEPENDENT VARIABLE ÇP	ABLE CP								
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TABULATED PRESSURE DATA - OAIWB ( AMES 11-073-1 )
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PAGE 2967	(XE8L75)														* 2386.5 RN/L * 4.8659.				
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	ORB LEFT WING BOT														- 594.21				
PRESSURE DATA - DAINB ( AMES 11-073-1 )				.9720	!	6867	3229				į				o i		.9720	3622	2751
( AMES	AMES 11-073/0A148) -140A/B/C		LE CP	.8870	1584			6158				1865		0068	0.5964	ALE CP	.8870	. 1611 . 0465	0323
- 0A14B	OA148) -		DEPENDENT VARIABLE CP	.7800			3415	7083			3790		1126		MACH .	CEPENDENT VARIABLE CP	.7800	5772. 5770.	0037
URE DATA	11-073	4.240	DEPENDEN	.6730	1009	2003		3989	5240		3961		2000	0657	8. <u>2</u> 88 M	DEPENDE	.6730	.0903	.0325
	AMES			. 5340	0832	1748		2981	5700		4859	3695	7.2455		•		.5340	.1187	.0536
TABULATED		BETA ( 4)	SURF	.¥270	050+	2739			3149	7489	.3696	11 97	1723	0835	BETA ( 5)	SURF	.4270	1189	905
			MING BOT	.3640			16각			3795	5243	3727	2732		4.017 86	INCEFT WING BOT SURF	.3640	3385	
3 76		= 4.012	DUEFT H	. 2990						ָבָּבָּ בַּבָּ	•	5948		2946			. 2990	. 3783	1316
DATE 10 FEB 76		ALPHA (3)	SECTION C	2Y/84	X/CH . 400		. 650 . 650 . 650	25. 201. 201. 201.		. 798 . 808 . 458	. 85.8 8.85 8.75 8.75 8.75 8.75 8.75 8.75	7.88. 6.00. 6.00. 7.00. 7.00. 7.00.	មួយមួយ មួយមួយ មួយមួយ	1.000 1.000	ALPHA ( 3)	SECTION (	2Y/BW	X/CW . 510 020	2000 2000 2000 2000 2000 2000 2000 200

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- 0A148 ( AMES 11-073-1 )	ORB LEFT HING BOT			.9720		03 03 04 04 04			2295		2970			3066					1137					
I CAMES	140A/B/C		LE CP	.8870		0971		1259		1627		7980	3		5859						1675			0091
1 - 0A14E	(DA148) -		DEPENDENT VARIABLE	.7800		0294		0840					2202	. 3303	6764			75.00				11113		
TABULATED PRESSURE DATA	AMES 11-073(DA148) -140A/B/C	8.288	DEPENDE	.6730		0179		0580		6981	ה ה	י ניסוע		į	1//5	5070		7607				1769		0505
TED PRES	AME			.5340		0115		0366		0839	. 130	B9/1:			3067	6676		2434		!	3374	2002		
TABULA		BETA ( 5)	SURF	i.4270	.0735		.0181	- C	-: 0133	Š	1.0264	T. 3022				3249	7434		3860		2820		1760	1.0787
		4.017 BI	DILEFT WING BOT	3640	.0592		. 1226	.050		0185			1618				3735	5339		3798	Ş	6. N	1778	
F.a 76		÷		.2990	Š	n 		0033										3321		6240	4206		902	3676.
DATE 10 FLI		ALPHA ( 3)	SECTION (	2Y/8W	x/Cu .081 .085	150	163	25.5. 3.5.5.	, in .	008. 1004.	MO'L	ກເກີຍ ກິດທີ່ ກິດທີ່	.637	. c. c. c. c. c. c. c. c. c. c. c. c. c.	57. 2017.	. 16. 18.	. 798 . 808	න් <u>හ</u> කිනු ස	1.039	.865 .879	000 000 000 000 000 000 000 000 000 00	5 6: 1	9. 9. 9. 8. 9. 9. 8. 9. 9. 9.	1.000

PAGE 2969	(XEBL75)																					
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opense not a maine ( 1-673-11-073-1 )	TOB SMIT 133 - GGV - O'C' - C' C' C' C' C' C' C' C' C' C' C' C' C'		MACH = .59626 0 = 593.97	DEPENDENT VARIABLE CP	.6730 .7800 A870 .9720	.4404 .5225 .5084 .3580 .3796 .38671310	.2523 .8274 .24220740		.1236 .1365 .03851393		.0532 .0508 .0256	1145	00030556	1331	*182*-	2363	÷.3618 71306565			41823383	G	
100000	775	AMES	-7.893	-	340	.4303	.1860	1388	1019		.0782		.0123	.1065			. 2846	8067		. 4786	į	1. r. c.
	IABULATED		BETA ( 1) P	SUPF		. 885 + .		. 1723	•	. 1065		.0736	5040	•	3192		i	2910	7.77	368* -		2051
				NG 801	.3640	0471	.1630	1 0	500	.2238	. 0963		8,90			1043			3478	4889	0,05	1891
	3 75		. 7.959	TOT MING BOT		0157	£160°		6101.	<b>1</b>	62									2761	5136	- X3
	DATE 10 FEB		A. PHA	Serrion		x/Cu .010.	0.00	200. 080. 180.	260. 160.	. 157 . 163 . 171	ט פילייי פילייי	ָרְיָּהְיִהְ יְּהְיִּהְיִּהְיִּהְיִּהְיִּהְיִּ	25. 26. 26. 26.	, S. S. S. S. S. S. S. S. S. S. S. S. S.		63. 63.	.670 .700 .557.	85. 82.	. 808	. 834 . 639 . 650	. 852 958 958 959	60.00 60.00 60.00 60.00

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						•	<b>D.</b>													
	ORB LEFT HING BOT					į	78.580													
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5 11-0.				9/n.		. <b></b> .ç	ž	6 6	2893		1900		1780			1682	2898		3483	
48 C AME	-140A/B		BLE CP		- 003	8000 B		8870	.4540 .3610	.2338		-070s			9049	6735		2917	•	G**B
A - 0A1	(0A148)		VARIL	0896		• 5	T VARIA	7800	.4842	.2378		. 1263			.0506	·				- 2E-
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	AFES 11-073(0A148) -140A/B/C	660	CEPENDENT VARIABLE CP	2826	**00.	-3.863 MACH	Z	.6730	. <del>1</del> 322 . 3525	. 2265		. 1210			.0618	0058	1355		· 138	i
NED PRES	ATE. (1)		5340	1086				.5340	.3176	· 1 1년	***	.1148			£ 6.	- 9200	1126 -		<b>8</b>	<b>)</b>
TABU.	BETA ( )	Ū		T.0930	0059	BETA ( 2)	SURF	.4270	. 2939 . 3712	ronu.	. 1856		F 31 L	<u>:</u>	.0773	1			•	3063
	7.959	8	.36±0	0916		7.971 8	WING BOT	.36+0	0294 0294 0294		-2064		.2347	. 1026		.0691	•	1.1071		•
EB 76	*		980	- DB13		. 7.	DLEFT	.2990	1628 .0000	. 02'+3	CHAN			. 1053				·		
DATE 10 FEB 76	ALPHA ( 4)	SECTION (	2Y/BM	×/× 200. 500. 500. 500. 500.	1.000	ALPHA ( 4)	SECTION (	2Y/BW	X/CH 010. 070. 040.	950. 630.	280 180 180	.150	.163	255. 25. 25.			ស្តិត ស្តិត ស្តិត ស្តិត	.650 .650	5.05 5.05 5.05 5.05 5.05 5.05 5.05 5.05	067. 097.

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AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT

									RN/L		
									<b>= 2386.7</b>		
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									- 593.97		
		.9720		3529		!	928 -		0	.9720	6745 
	RE CP	.8870	0937	3042	6432		- 1886	0398	.59626 LE CP	.8870	. 1953 2775.
	T VARIA	.7800		3055	7046	3782		I S	H	.7800	.3172 .3172 .4215.
.178	DEPENDENT VARIABLE CP	.6730	0153	T.3616	0964	+325		2128	S.235 MACH5962	.6730	.3552 .3209 .2377
		.5340	.0012	666	8353	4751	2608	- 132 - 132		.5340	.3687 .3082 .2214 .1629
SETA (3)	BOT SURF	.4270	. 0339		T.3173	3867	2509	1336	BETA ( 4) .	.4270	0255 .1741 .2430
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	ORB
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0 /0 /V0 L1 -		BLE CP	.8870		.(319	0286	1.1079	,	3100	6478			1899		0354
1911401510		DEPENDENT VARIABLE	.7800		.1136	.0291			3079	6877		3790		1161	
A. K. J. L. J. A.	4.235	DEPENDEN	.6730		.117	.0473	0213	1419		٠. 19	4508	+.4102		2170	0358
į	Ħ		.5340		. 1083	.0697	00+1	1166		2998	<b>9</b>	4545	2498	1360	
	BETA ( 4)	SURF	.4270	. 1945	5711.		.0730	.0276	3		3186		2598	1410	0390
	8.079 B	DILEFT WING BOT	.3640	. 0698	. 1932	0160.	. 1628		103¢		3657	5447	.3743		
	.89	DILEFT	.2990	-,0639		.0334						2999	5921		3059
	ALPHA ( 4)	SECTION (	27/BW	X/CH .081 .085	150	<u> </u>	72. 888. 803.	3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	659 659	607. 1857.		9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 9 8 9 8 8 8 8 8 7 7 7 7	ត់ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	<u>አ</u> ጀር የ የር	1.000

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	OP3 LEFT WIND BOT	= 593.97																							
PRESSURE DATA - DAIYB ( AMES 11-073-1 )				.9720	9047	_	6231			3508			34St		394		,	14506				ļ	1757		
B C AMES	AMES 11-073(0A148) -140A/B/C	. 59626.	BLE CP	.8870	. 1975	.1554			1700.			0565		1310		3158			629				•	1837	_
A - 0A14	(04148)	* FŞ	DEPENDENT VARIABLE CP	.7800	.2392 .2632	. 1883			. 0968			.0173					3114		. 576£ ·		!	- 3698		•	
SURE DAT	5 11-073	8.290 MACH	DEPENDE	.6730		.2160			.1017		į	, O.X		0324	1547			3567	•	1774		. 988			
	AME	8 • 8		.5340	.2918 .2747	.2041	. 1528		.0963		į	\cen-		+110	1272			. 5918.		8386		. 500		1.2538	
TABULATED		BET : ( §	SURF	.4270	2385 .0241	101.	C481	-		. 1098		.0667		. 0208	3192				200		/865	3989		8,9	
		8.076 B	HING 801	.3640	6160 4147			0113		. 1943	.0731		.0557			1118				3633		·	8488	· }	2962
92 e:			INLEFT WING	.2990	7393	2662		1480	l 											•	3110		6051	4064	•
DATE 10 FEB		ALPHA ( 4)	SECTION (	2Y/84	X/CW .010 .020	0.00	080	. 086 . 094	821. 521.	19. E. S.	35.6	ان خ د	390	5. 5. 5. 6. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	. 550 . 550 . 555	.630	0.29 0.29	. 700 257	55. 55.	7. 88 8. 88		.857 .862			616

PAGE 2975																						
	(XEBL75)						* 2385.3															
	<b>A</b>						<b>α</b> .															
•	ORB LEFT WING BOT						<b>594.09</b>															
1-073-1	ONG LE	_		.9720			ø		.9720	6163	3267			1921			1279	į		75007	<u>.</u>	
PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(0A14B) -140A/B/C		45 E	.8870		0265	. 59636	רב כם	.8870	. 5277	.4396	. <i>-</i>		.2367		. 1329		.0305		- c5ca		
- 0A148	JA148) -		r VARIABI	.7800	1034	Ť		T VARIAB	.7900	.5429 .5678	.4538			.2950		.1899				2313		
JRE DATA	11-0731	8.290	DEPENDENT VARIABLE CP	.6730	174	0343	-7.850 MACH	DEPENDENT VARIABLE CP	.6730	.5944	.4527			.2946		1986		9660.	8+85		T175	
	AMES	.89.	_	.5340	1343		-7.	-	.5340		2024.	.3423		. 2642		.2048		. 1089	0229		1545	
TABULATED		TA (5)	SURF	.4270	1394	4.0428	BETA ( 1)	SURF	.4270	.3925	o Bis	45G			.2538	ě	<u>.</u>	.1370	3308			2674
		76 BETA	MING BOT	.36+0	1839			1NG BOT	.3540	5950	0240		.2635		.3485	.2255		. 1712		0306		
55		s 8.076	DLEFT W	.2990		٠. ا	₩86.11	DILEFT HING BOT SURF	2990	.3061	.0556		:	B/ 11 .		. 1868						
DATE 10 FEB		ALPHA ( 4)	SECTION (	24/84	X/CH .950 .953 .955	.965 1.000	ALPHA (5)	SECTION 1	24/Bu	X/CW .010 .020	0.00 0.00 0.00	680. 080.	980		163	28.5 245. 255.	ት ነው ነው	200 P. C. C. C. C. C. C. C. C. C. C. C. C. C.	ស្តី មួន ស្ត្រី ម៉ូន ស្ត្រី ម៉េន ស្ត្រី r>ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្រិ ស្ត្រ ស្ត ស្ត្រ ស្ត្រ ស្ត្រ ស្ត្ ស្ត្	.601 .637 .637	2.4. 2007.	. 753 . 753

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PA (3C 8175)						594.09 P = 2386.3 RN/L					
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 ) AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT		.9720	2717			100 H		.9720	25 85. 87. 88. 89.	1.65	.1987
RESSURE DATA - OA148 ( AMES 1 AMES 11+073(0A148) -1+0A/B/C	E CP	.8870		- 2432 	0354	. 59636	LE CP	.8870	- 3696 - 4508 - 4508 - 4508	. 1982	7111.
A - 0A146	850 DEPENDENT VARIABLE CP	.7800	E E	8660°.		MACH .	DEPENDENT VARIABLE CP	.7800	. 5030 5034 5033 5033 503	2826	.1722
SSURE DAT	-7.850 DEPENDE	.6730	-,4053 -,4125	2375	0563	-3.840 M	DEPENDE	.6730	.52082 .5205 .44 18	.2782	1801
ATED PRES	2	.5340	4171	0968				5340	.5078 .5000 .4080	.2538	. 1939
TABUL	ETA Surf	.4270	777-	7.1959 0880	. <del>9</del> 040	BETA ( 2)	SURF	.4270	0499 2533 3914 	9.68 89.46	. 1904
	11.984 B	3640	-, 31 <i>22</i> -, 4644.	1922			INLEFT WING BOT	.3640	8420 3213 1806	.3230	. 1737.
۶ 76		2990	85 4.	2971		= 12.003	IILEFT I	.2990	5223 0000 0422	.0463	, )
DATE 10 FE3 76	ALPHA ( 5) SECTION (	2Y/BH	X/CW - 775 - 798 - 798 - 834 - 834 - 850 - 851	ខ្លុំ ១៩១១១១១១១១១១១១១១១១១ ១៩១១១១១១១១១១១១១១	1.000	ALPHA (5)	SECTION (	2Y/Bu	×,C4 . 010 . 020 . 050 . 050 . 080 . 080	.094 150 151 151 171	14.65.65.65.68.68.68.68.68.68.68.68.68.68.68.68.68.

• 4.8671

PAGE 2977

TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

DATE 10 FEB 76

															1.8671					
_	_														FBV.					
	(ACOL 13)														* 2386.3					
	_														•					
DOD 1 EET 11116 DOT															- 594.09					•
			.9720		3084		- 39±0				2717				đ		.9720	1.0636	6536	
-1404/0/		BLE CP	.8870	000e				6346				2292		0396	. 59636	LE CP	.8870	.2315 .3549 -1.0696	.3345	
(84148)		DEPENDENT VARIABLE CP	.7800			255		20. 20.		3609			0985		• 5	IT VARIAE	.7800	. 2367 . 4258	.3809	
AMFS 11-073(0a148) -1404/B/C	-3.840	DEPENDE	.6730	. 0925	0632		3001	4392		3987			2358	0286	.180 MACH	DEPENDENT VARIABLE CP	.6730	.4039 4744	.399!	
AME			.5340	.1057	0327		2558	8728		4348		2268	0983				.5340	.4379	.3764	.3120
	BETA ( 2)	SURF	.4270	.1278	29€1			2742	8001	. 3542		2206	1048	0189	BETA ( 3)	SURF	.4270	2843 .0903	<u>.</u>	
	12.003 8	8	.3640			0318		1	sie/	4970	¥007	50.56	6822*-	1304		JING BOT	.36+0	-1.0557	1	
			.2990						į		5108	3304		1631	<b>12.008</b>	DILEFT WING BOT	2990	- 7679 -	1625	
	ALPHA ( 5)	SECTION (	2Y/BM	X/CN 0004-	S. C. C. C. C. C. C. C. C. C. C. C. C. C.		0.46. 007. 257.		868 868 868	658 678 778	96. 7.69. 2.69.	000	919. 050. 559.	. 955 . 965 1. 000	ALPHA ( 5)	SECTION (	27/BH	X/CH .010 .020	050. 050.	<b>0</b> 80 ·

DATE 10 FEB 76

(XEBL 73)

		.9720		3201		2853	3457		+.380+				2655	<b>-</b> -		
	RE CP	.8870		. 1629	.07%	0366		2718		6527				2251		~.0295
	T VARIAE	.7800		.2 <sup>4</sup> 92	1941.				2696	6871			3730		11%	
180	DEPENDENT VARIABLE CP	.6730		.2579	.1684	.070⁴	0785			3231	4682		3690		. 2083	0347
	•	.5340		.2318	8771.	0853	0417			2713	9187		8. 1.	2321	1087	
BETA (3)	SURF	.4270	.2998	t :		69/1	.1155	2698			2942	8145	3818	Ş	f335	0174
	ING BOT	.3640	. 0847	.2847	.1938	5721.		- 0203	6660		1000	5266		3529	2599	) 
= 12.008	I)LEFT H	.2990	- 1030R		9960 .							2678	į	3618		2579
ALPHA (5)	SECTION ( 1) LEFT HING BOT	2Y/BW			8. 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	473. 345. 390. 390.	. 503 503 503	200 250 250 250 250 250 250 250 250 250	539. 579.	. 700 257.	. 750 277.				2 2 2 3 3 4 4 5 5 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	

March of Same

PAGE 2879		- 4.8671																				
۵.		PN/L																				
	(XEBL75)	- 2386.3																				
		<b>b.</b>																				
073-1 )	ORB LEFT WING BOT	0 = 594.09		.9720	192		c c	ļ	356		833	ł	<b>29</b>		ţ	8				<b>Q</b>		
-11 53					1.2561		- 8043		- 3558		3083		3685		-	0006				2446		
8 c AM	-140A7	. 59636	BLE CP	.8870	. 2469	2749		. 1265	-	.0513		0511		2872			6340				2385	
TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	ACH ==	DEPENDENT VARIABLE CP	.7800	.1106	.3281		. 2243		.1215					2807		6765		3913			
SURE DAT	S 11-073	4.244 MACH	DEPENDE	.6730	.3585	3478		.2277		. 1490		.0559	0968			3315		++/	3607			
TED PRES	AME			.5340	.3591	.3343	.2778	.2087		.1509		.0716	0561			- 2807		6958	4470		2556	
TABULA		BETA ( 4)	SURF	.4270	4904 0788		.2536		.2067		R/C1 -	.1000	6606				3090	- 7070		9755	1000	
		12.057 B	DILEFT WING BOT	.3640	5904 5904	1000		0087	.2291	.1636		9141.		- 0485				3377	5387	ļ	1.3/6.	2783
9 76		,		.2990	. 9653	2884		1333	į										2798	5766	3898	•
DATE 10 FEB		ALPHA ( 5)	SECTION (	2Y/BW	X/CW .010 .020		080	8 9 9 9 9 1 1	. 163 . 177	3.5.5.5.		. 390 400 504.	. 503. . 550. . 550. . 550.	.600	650	55. 25.	047. 057.	.775 .798 .808		·	, c. c.	616.

DATE 10 FEB 76

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(XEBL75)						P • 2386.3 RN/L • 4.8671															
ORB LEFT WING BOT			.9720			0 = 594.09		.9720	3828				3000	9066		3379 	3788			50c6	
3) -140A/B/C		NABLE CP	.8870	92	0684	. 59636	IABLE CP	.8870	01251 2 .1193 -1.3828	. 1999	·		.0893	•	5 .0176	0753		2899			8029
AMES 11-073(0A148) -140A/B/C	4.2.4	DEPENDENT VARIABLE CP	.6730 .7800	20251358	0371	B.307 MACH	DEPENDENT VARIABLE CP	.6730 .7800	.12760940 .2495 .2062	. 2958 . 2590			.2035 . 1932		.1236 .1015	.0402	1000		2809	3260	6522
AMES	. + + .		70 .5340	1370	S.	. 5) * 8.		0.5340	. 1057 595-	. 2786	\$40.	•	. 1847	*	. 1328	0 <del>1</del> 50.	30			. 2882	•
	12.057 BETA	SECTION ( 1) LEF' WING BOT SURF	0.3640 .4270	1728	0062	12.114 BETA (	1) LEFT WING BOT SURF	0 .3640 .4270	72757 - 4 2727 - 4 26363 - 4453 - 0	3030	8900	0942		.1687	. 1245	. 1222	<b>₽</b> 8.0°.	3277	- 855.		3168
	ALPHA ( 5) = 1	SECTION ( 1)LEF	2Y/BW . 2993	X/CH .950 .953 .955	1.000	ALPHA (5) = 1	SECTION ( 1)LEF	27/BW .2990	X/CH .010 -1.2324 .020 .0000	.0504289		. 094 . 094		. 163 . 177 229		ያትል: 098: 001:	705. 005. 005.	. 565 . 600	. 637 . 650 . 670	55. 55. 55. 55.	.c 

PACE 2981

(XEBL75)

TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C

DEPENDENT VARIABLE CP 8.307 BETA (5) = SECTION ( 1) LEFT WING BOT SURF ALPHA ( 5) = 12.114

-.2369 .9720 .8870 -.0653 -.2391 .5340 .6730 .7800 -. 1489 -.4316 -.3502 -.3884 -.1561 -.2001 -.9145 -.4578 -.0704 -.2561 .3640 .4270 -.4010 -.0245 -. 740 -.2661 -.1374 -.2963 -.3346 -.5338 -. 1951 -.3770 .2990 -.5868 -.404B -. 34B1 2Y/BW

B ( AMES 11-073-1 )
- 0A1%
TABULATED PRESSURE DATA
TABULATE
DATE 10 FEB 76

PAGE 2982

( 05 AUG 75 )		.000 10.000 1.400	- 2.9057			•															
	: DATA	SPOBRK = L-ELYN = MACH =	FRV.L																		
(XEBL76)	PARAMETRIC	-10.000 -11.700 -10.000	- 440.65																		
<b>a</b>		RUDDER = BDFLAP = R-ELVN =	٩																		
ORB LEFT WING BOT			- 598.57																		
			o		.9720	4599	!	4963		3077			4397		4198			F 1			
AMES 11-073(0A148) -140A/B/C			1.3930	BLE CP	.8870	1927	4397		4019	•		3724		3348	·	3233			0905		
(0A148)		222	MACH .	DEPENDENT VARIABLE CP	. 7800	2211	4471		3985			3606					3245		0001		0408
ES 11-073		1076.6800 IN. .0000 IN. 375.0000 IN.	-3.853 M	DEPENDE	.6730	3598	4328		39+0			3636		3119	1598			2141	-,0014		0599
¥		1076			.5340	2782	4492	444	+104			2156		171	1431			1814	6020.		0309
	YTA	XMRP YMRP ZMRP	BETA ( )	SURF	.4270	1361 2434 2434	. 304	1899			1782	1651		1565	2953				1890	.0634	
	REFERENCE DATA	50.FT IN.	-4·00:+-	DILEFT HING BOT SURF	.3640	2388 2268			1239	0356		/CII	1428			1011				1701	1820.
	REFE	2690.0000 474.8000 936.0690 .0300	a		. 2990	1834	1521		1402		1014									1002	
		SREF = 6 LREF = 8 BREF = SCALE =	ALPHA ( 1)	SECTION (	27/BW	X/CH .010 .020	050	080 081 189	95. - 150.		25. 875.	556. 575.	. 986.	504.	25. 25. 25. 25. 25.	.600 .637	.650 .670	857.	86. 86. 87.	. 808 808 458	833 928

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PAGE 2983									KN/L = 2.905/										
	(XEBL76)								* ***0.65	vi.ci≯b ∕									
	ORB LEFT WING BOT								- 598.57 P								٠		
PRESSURE DATA - DAIMB ( AMES 11-073-1				.9720	3463				0		.9720	5055	5218				7.4894		9 6 9
B C AME	-140A/B		BLE CP	.8870		2312		3642	1.3930	BLE CP	.8870	- 2421	4728		6924		3967	3493	3249
- 0A14	0A14B)		IT VARIA	.7800			· 1947		MACH .	NT VARIA	.7800	2649 4412	4709		9714		3736		
URE DATA	AMES 11-073(0A148) -140A/B/C	-3.853	DEPENDENT VARIABLE CP	.6730			1246	1090	.191 M	DEPENDENT VARIABLE CP	.6730	3799	£277		3993		3557	1598	1438
_	AMES	•		04E8.		1137	1592				.5340	2789	4326	3904	3097		1652	1470	1092
TABULATED		BETA ( 1)	SURF	.4270	0033	- 0872	1490	2148	BETA ( 2)	SURF	.4270	1627		1583		1327	1299	1186	3179
			ING BOT	.3640		0288	1075	N.		ING BOT	3640	1196	- 1 A		9360	£110°.	0770	1324	
92		*00.4-	DILEFT WING BOT SURF	.2990		.0566		1438	100.4	DILEFT WING BOT	.2993	0963	1956		1008	į			
DATE 10 FEB 76	1	ALPHA ( 1)	SECT108 (	2Y/BW	x/CH .857 586.	. 868 878 879 879	2.00 2.00 2.00 2.00 2.00 2.00 3.00 3.00	1.000 1.000	ALPHA ( 1)	SECTION (	24/8H	X/CH 010. 020.	5.05 5.05 6.05 6.05 6.05 6.05 6.05 6.05	660. 680.	989. 951.	. <u> </u>	ภู่เราช่า มีเชิยรัฐ	L SULT	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2

DATE 10 FEB 76

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(XEBL.76)
                                                                                                                                                                                                                                  140.65
ORB LEFT WING BOT
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                                                                      -. 3402
                                       .9720
                                                                                                                                                                                                                                                                                                        -.5327
                                                                                                                                                     -.3515
                                                                                                                                                                                                                                                            9720
                                                                                                                                                                                                                                                                                      -.5338
                                                                                                                                                                                                                                                                                                                                                .. X20
AMES 11-073(0A148) -140A/B/C
                                                                                                                                                                                                                     -.2113
                                                                                                                                                                                                                                                                                - .2828
- .4534
- .
                                         .8870
                                                                                                                                                                                                                                                            .8870
                                                                                            -.0413
                                                                                                                                                                        -.0882
                                                                                                                                                                                                                                  = 1.3930
                                                                                                                                                                                                                                                                                                                                         -.1924 -.3926 -.4256 -.4456
                                                                                                                                                                                                                                                                                                   -. ¥908
                          DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                               DEPENDENT VARIABLE CP
                                                                                           .0859
                                                                                                                                                                                                                                                                                                    -.4878
                                        .7800
                                                                                                                                                                                                                                                            .7800
                                                                                                                                                                                                                                                                                -.2985
-.4626
                                                                  -. 1963
                                                                                                                                        -.0097 -.0532 -.0097
                                                                                                                                                                                           -.1530 -.1090 -.1245
                                                                                                                                                                                                                                   4.275 NACH
                                                                                                                                                                                                                     -.1419
                                        .6730
                                                                                                                                                                                                                                                                                -.3952
                                                                                                                                                                                                                                                            .6730
                                                                                                                                                                                                                                                                                                   -.4527
                                                                                                        . 0235
                                                                              -. 1809
                                                                                   -. 1628
                                       5340
                                                                                                                                                                                                                                                                                -. 2755
-. 1036
                                                                                                        .0622
                                                                                                                                                                                                                                                            5340
                                                                                                                                                                                                                                                                                                               5 A.
                                                                                                                                                                        -.1001
                                                                                                                                                                                                                                                                                                   -.3621
                                                                                                                                                                                                                                  BETA ( 3) =
             BETA ( 2)
                                                                                                                                                                             -.0876
                                                                                                 -. 1717
                                                                                                                                              -.0003
                                                                                                                                                                                                                                                                               .0819
                                                                                                                                                                                                  -. 1544
                                        .¥270
                                                                                                                                                                                                                                                            .¥270
                                                                                                                                                                                                                                                                                                                     -.0965
                                                                                                                                                                                                                      -. P448
                          SECTION ( 1) LEFT HING BOT SURF
                                                                                                                                                                                                                                               SECTION ( 1) LEFT HING BOT SURF
                                       36.
                                                                                                                                                                                                       -. 1521
                                                                                                                                                                                                                                                                                                                           -.0048
                                                                                                                                                                                                                                                                               -.0363
-.0485
-.0439
                                                                                                               -. 1584
                                                                                                                                                                 -.0322
                                                                                                                                                                                    -.1136
                                                                                                                                                                                                                                                            3640
                                                                                                                                 .0478
                                                          -. 085±
             18°.4
                                                                                                                                                                                                                                  -3.983
                                       2990
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                                                                                                                                                                                                              -.1525
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                                                                                                                                                                                                                                                                               -.0767
                                                                                                                           -.1762
                                                                                                                                                                                                                                                                                                  -.0830
                                                                                                                                                                                                                                                                                                                                  -.0859
             A. PHA ( 1) =
                                                                                                                                                                                                                                   ALPHA ( 1) =
                                        2Y/84
                                                                                                                                                                                                                                                            27/BH
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- 2.9057

.0530

(XEBL76)

13-1 )	ORB LEFT HING BOT			O.		13	ž		26				£_			
11-0,				.9720		4721	+.4314		2193				1*2*			
TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1	-140A/B/C		LE CP	.8870		4117	3592	-, 1676		1411.				0302		1858
- 0A148			T VARIAB	.7800		3699			1638	.1065			.0066		1014	
URE DATA	AMES 11-073(CA148)	4.275	DEPENDENT VARIABLE CP	.6730		1833	1286	1084		1567	.0483		0426		0998	1725
ED PRESSI	AMES			.5340		1382	1090	0897		1473	9680.		.0081	0821	1538	
TABULATI		BETA (3)	SURF	.4270	0996	0867	0843	3077			155	.0872	0016	0857	1413	2335
				.3640		0458	0612		0648			1503	.040	0334	1064 1433	) 
35		-3.983	I)LEFT W	.2993	(15h7)							į	<u>ē</u>	.0595		1469
DATE 10 FEB 76		ALPHA ( 1) .	SECTION ( 1) LEFT HING BOT	21/8H			7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 500 500 560 560	.609. 759. 039.	676. 700 257.	5. 5. E.	. 198 . 808	8.89 8.89 8.65 8.65 8.65 8.65 8.65 8.65 8.65 8.65	9. 9. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9	ល់ខ្លួំ ១៩ភូមិ មិន្តិ	1.000 1.000 1.000

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DATE 10 FEB 76		TABULATED		SSURE DAT	TA - 0A14	B ( AMES	PRESSURE DATA - DAIMB ( AMES 11-073-1 )		_	PAGE 2986
			AME	S 11-07	\$(0414B)	AMES 11-073(0A148) -140A/B/C	C ORB LEFT WING BOT	(XEBL.7B)		
A. PHA ( 2) =	. 029 629	BETA ( 1)		-3.866 MACH		= 1.3913		P 441.83	TANA.	# 20 G084
SECTION ( 1)LEFT	WING BOT	IT SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP				
2Y/BW .2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720			
. 010 0038 . 020 0000	.0098	. 1570 . 1570	0867	1813	1073	0184 2602	2179			
.0500324	0103		2210	2345	2672	2779				
080		*0*0	1735				2486			
.086 .094 460	.0312									
. 150 . 157			1260	1792	2010	2224				
	. 1038	0422					-: 1919			
. 6390 . 246 . 390	0107									
i i i		040-	0648	1286	1571	1857				
. 390 . 390	0361						1665			
5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0486	0624	0483		1495				
។ ជាមួយ ក្នុង ពេល ក្នុង ពេល ក្នុង ពេល ក្នុង ពេល ក្នុង ពេល ក្នុង ពេល ក្នុង ពេល ក្ណុង ពេល ក្ណុង ក្រុង ពេល ក្ណុង ក្ណុង ក្ណុង ក្ណុង ក្ណុង ក្រុង ក្ណុង ក្រុង ក្រុង ក្ណុង ក្រុង ក្ណុង ក្រុង ក្រុង ក្ណុង ក្រុង ក្ណុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក្ណុង ក្រង ក្រុង ក្រង ក្រុង ក្រុង ក្រុង ក្រុង ក្រុង ក		3668	0359	0497			1623			
. 637 . 637	0239					1138				
. 670					1079		!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!			
. 257.			1064	1265			. 0073			
760		1288			.2041	.2010				
677. 807. 808.	! 293	562	. 1518	. 1225						
.839 • 1421 .839	.1366									
.857 .852		.0821	c000.	.0376	6080					
.855 .1590 .879 . 0050	.029•	,					0843			
.905 .919	<b>9</b> .11	0118				C C C C C C C C C C C C C C C C C C C				

PAGE 29								I	w													
	(XEBL76)						- 441 B3															
							0.															
-	ORB LEFT WING BOT						* 598.6v															
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )				.9720			0		.9720	 Eč	ļ	- 2580		1849			1185		1061		.0374	
H CAMES	AMES 11-073(0A148) -140A/B/C		BLE CP	.8870		₩.	1.3913	BLE CP	.8870	0671	3015		27.0	•		1825		0702		 		. 1946
A - 0A14	(0A14B)		IT VARIA	.7800	0781		£	IT VARIA	. 7800	1423	2607		2/12			- 106				1080		. 2069
SURE DAT	5 11-073	-3.866	DEPENDENT VARIABLE CP	.6730	0519	1114	. 181 MACH	DEPENDENT VARIABLE CP	.6730	1989 2298	1890		1314			0530	7020	1960	0309	•	1062	
TED PRES	AME	11 = -3		.5340	0870		•		.5340	0800 1848	1055	1041	0.07.0	•		0408	100		0205		0936	
TABULA		BETA ( 1	SURF	.4270	0857	1521	BETA ( 2)	SURF	.4270	.2495 .2265 .2002		.0113		Š	5	0186		0265	3628		·	1102
		. 029	WING BOT	.3640	1043		.033 B	DLEFT HING BOT	3540	.0002 5700		200		.1190	¥110.		0130			0118		
B 76		Ħ	DILEFT WING	.2990		6660	•	DLEFT	.2990	0206	6196		0341		0413							
DATE 10 FEB		ALPHA ( 2)	SECTION (	27/84	X/CH .950 .953 .953	1.000	ALPHA ( 2)	SECTION 6	2Y/8H	X/CH . 010 . 020	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	88. E. 83.	\$81. 181.			Ŋ ij	. 85 85 85 85 85 85 85 85 85 85 85 85 85 8	504.	្ត មិន្តិ មិន្តិ	.637 .650	हुं इंद्रे	<b>6</b> 6.

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(XEBL76)

(XEBL75)									• 441.83 PW.		-							
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UMB LEFT WING BOT									* 598.64									
		02720			1061				0		.9720	1928	į		16v8			0636
3/9/W0F1- /8F1W0/6/	<b>6</b> 3 181	.8870				.0128		3338	1.3913	are co	.8870	0984 3001	2934	•	2012		0688	í
	LIBI DEPENDENT VARIABLE CP	.7800			. 6770		0583		MACH .	IT VARIA	.7800	1632	2330		1348			
•	OEPENDE	.6730	. 1431		. 0357		0477	0966	4.255 MA	DEPENDENT VARIABLE CP	.6730	1842	1919		. 06.00-		04140412	
	•	.5340	.1795	į		0274	0848				.5340	0257	0837	0649	0489		. 1710	
10 7	, ,,	.4270		56/-	.0864	0155	0851	1705	BETA ( 3)	SURF	.4270	. 2556 . 1194		£43.		.0033	9900	
1034	8	3640	1147	. 1438		144g.	1016		. 039 BE	MING BOT	.3540	0583 0401 0228	)	.0:-22	<u></u>	97.6		-010-
n	DUEFT	. 2990		1285	1141.	0163	0901-				.2990		0554	- AT. AT.		0538		
ALPHA ( 2)	SECTION (	2Y/84	X/CH 775 739	3.83.83.83.83.83.83.83.83.83.83.83.83.83	. 862 . 858 . 858	978. 909. 809. 818.	959. 879. 876. 876. 876.		ALPHA ( 2)	SECTION ( 1)LEFT	21/BM	010 10 10 10 10		8 9 ± 8 18 ± 8	. 151 751.	. 229 . 229	gi gi	390

PACE 2989	<b>Q</b> )																		Pav 2.9174					
	(XE9L76)																		• 142.29					
																			۵.					
	ORB LEFT WING BOT																		<b>599.88</b>					
11-073-				.9720		1093		ğ						1077					G		.9720	£060°	 	051.7
PRESSURE DATA - 0A148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		BLE CP	3788.	0561		0719			.2078					. 0203			2922	1.3919	LE C?	.8870	.2136 3440		. 0363
4 - 0A14	(84140)		DEPENDENT VARIABLE CP	.7800				0728		. 2258			.0812			0395				T VARIAB	.7800	. 1841. 19080.	6	
SURE DATA	5 11-073	4.255	DEPENDER	.6730	0136	0136			0903		. 1619		.0429			0352		1082	-3.871 MACH	DEPENDENT VARIABLE CP	.6730	.1870	0	0,00
	AME			.5340	0126	6087			0820		.2076		6460.		0159	0908			-3.		.5340	. 2528 . 1826	0000	9
TABULATED		BETA (3)	SURF	.4270	0027	3530				1035		5	.0807		0204	0000		1473	TA ( 1)	SURF	D. 4270	. 4041	.2210	
		.029 650	WING BOL	.36+0			9100				1023	560			_	0483 0483	0953		61 BETA	HING BOT	. 3640	.0369	. 0551	
9 76		#	DLEFT 1	. 2990								1242		.1356	0179		1063		3.961	DLEFT H	. 2993	.0510 .0000	5	1
DATE 10 FEB		ALPHA ( 2)	SECTION (	2Y/8%	407×	. 553 . 550 . 565	. 600 723.	659.	.700 255.	5. 5. 5. 5. 1	. 798 . 798	20 G	500 500 700 700 700	969. 7.89. 7.80.	9.00. 0.00. 0.00.	2. 0. 0. 2. 0. 6.	e PC R	1.699	ALPHA (3)	SECTION (	2Y/84	X/CH 010.	12 E	C.99.

(XEBL76) |

	ORB LEFT WING BOT	,																						
_	FT																							
073-1	ORB LE			.9720		8			<b>*</b>		Ż.			16						m				
= 10				6		0698			.0344		0124			. I₹8						0135				
8 ( AME!	-140A/B/C		BLE CP	.8870		.0834		.0666		.0587		. 0022			.3074					·	900			4000
A - 0A14	(6A14B)		DEPENBENT VARIABLE CP	.7800		.0724		.0968					.0123		.3813				. 1676				0011	1
SURE DAT	AMES 11-073(0A148)	-3.871	DEPENBE	.6730		. 0625		.0738		.0795	.0793			0226		.2719			. 1303				- 1 <del>1</del> 60.	2146
TABULATED PRESSURE DATA - OA148 ( ANES 11-073-1	AME	1) • -3		.5340		. 0523		.0768		. 0694	.0708			. 0208		. 2927		!	. 1581		.0526		0053	ľ
TABULA		BETA ( 1	SURF	.4270	.1314	0000		7170.		.0653	4011			·	0527		1575.		.1773			.0641	020	0983
		3.961	DILEFT WING BOT	.3640	.1112	.2047	.0821		6020.			.0589				- 0630		.2360		,	. 1043	.0250	0521	•
10 FEB 76				. 2990	.0332		. 0242										- 0785	}		.2558	. 0588			0578
DATE 10 FI		ALPHA ( 3)	SECTION (	2Y/B#	X/CW .081 .085 .034		.229 .256 .256	e B S	390			.637	679.	007. 257.	7.75 037.	٠. و 196			7.59.	. 858. 286.	705. 005.	0.6. 0.6.	. 955 . 955	

PAGE 2991	(XEBL76)	P = 442.29 RN/L = 2.9174	241.19	a nonema	enter a la companya de l'un companya de	<i>√ 8</i> —0° 3	r - 1041 WA	mypholisismum, v				•									
1-073-1	ORB LEFT WING BOT	0 = 599.88		.9720	. 9565	į	. 0321	!	0793		.0093		0343		Ę					0334	
PRESSURE DATA - DAIMB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	= 1.3919	DEPENDENT VARIABLE CP	.8870	.2051 .0587	. 0542	•	.1064	i	3 .0665		.0591	·	华10.			3 .3045		<b>m</b>	•	. 0928
A - 0A	10A14B	MACH	INT VAR	.7800	.1155	+160.		. 0962		.0938					.016 <del>4</del>		.3803		. 1538		
SURE DAT	5 11-073	187 1	DEPENDE	.6730	.2073 .1794	. 0628		.0830		6480.		.0921	. 0839			0243	Š	u 0 0	. 12ዛሮ		
	AME	n		.5340	.3026	.1096	.0971	.0741		. 0886		.0833	.0782			0164	•	2115	.1712		. 0608
TABULATED		BETA (2)	r surf	.4270	.3522	•	. 1475		7101.		.0931	12.60	•	3996		·	0401	9886			.070
		3.962	MING BOT	.3640	1502	0299		. 1000	.1827	. 0939		. 0822			.0712			0471	. 2328		. 1212
FEB 76		p	1)LEFT	. 2990	0343	.0149		.0108	ŭ	1600.									0599	.2380	.0646
DATE 10 FE		ALPHA (3)	SECTION (	2Y/BW	X/CH .010	500.	. 080 . 080 180	90. 150.		ກໍ່ເກົ່ອ ທີ່ເຂົ້ອ	475. 348.	000 7	503.	288. 238.	.651 .650	007. 257.	027. 037.	0.00 80.00 80.00	9.00.00 9.00.00 9.00.00 9.00.00 9.00.00	5.89. 865.	000 000 000

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(XEBL.78)						P = 442.29 FN/L = 2.9174																
ORB LEFT WING BOT			.9720			0 = 599.88		.9720	0032		*******		- 0033			007		0378			. 1.508	
AMES 11-073(0A148) -140A/B/C		BLE CP	.8870		4215	1.3919	RE CP	.8870	. 2458 . 1247	¥0.1.	i		.1256	i	.0794	i	.0743	·	.0248			. 305+
(0A14B)		DEPENDENT YARIABLE CP	.7800	.0013		MACH	DEPENDENT VARIABLE CP	.7800	.21 <i>92</i> .1565	.1141			.1198		.1059					. 0236	į	. 326 <del>.</del>
5 11-073	.187	DEPENDE	.6730	. 0292	1593	4.246 M	DEPENDEN	.6730	. 2352	.1027			.1140		.0982		.1198	0160.			0124	
AME	Ħ		.5340	0001		•		.5340	.3416	. 1582	1347		.0907		.1039		.0943	.0837			0053	
	BETA ( 2)	SURF	.4270	0199	1324	BETA (3)	SURF	.4270	.3005	, 563.	Ü	9001		1001.		n 3	1880.		5996		·	0315
	3.962 BE	I ILEFT WING BOT SURF	.3640	2409		3.963 BE	ITLEFT WING BOT SURF	.3640	3851	100		0138		. 1478	.0892	Ş	, ,			100.		•
	n		. 2990	į	U363	# W	DILEFT !	.2990	1674 .0000	0502		0337		GF GD								
	A.PHA (3)	SECTION (	2Y/BM	X/CH . 950 . 953 . 953	1.000	ALPHA ( 3)	SECTION (	2Y/BW	x/Cu .010 .020	900	680.	99 39 90 30 90 br>90 30 90 90 30 90 90 90 30 90 90 90 90 90 90 90 90 90 90 90 90 90	. 150 721 .	.163	្តីស៊ីស៊ី ស្តីស្តីស្តី	W. C. C.	55. 65. 65. 65.	ស ភូមិ ស្ត្រី ស្ត្		. 650 078	25. 25. 25.	760

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	TABULATED PRESSURE DATA - OAING ( AMES 11-073-1 )	ANES 11-073(0A148) -140A/B/C ORB LEFT WING BOT (XEBL78)	(3) = 4.246	DEPENDENT VARIABLE CP	0578. 0780. 0887. 05730. 0453. 07	. 3494 2771 	.1831 .1356 .1581		0149 . 0297 . 0269 84	8815403815	(1) = -3.866 MACH = 1.3932 Q = 600.00 P = 441.59 RN/L = 1	DEPENDENT VARIABLE CP	70 .5340 .6730 .7800 .8870 .9720	45 .5236 .4658 .5278 .5434 .357	.2876 .2804 .3201 .3563	*8*5. 55	. 1942 . 2933 . 29481 .		
	ESSURE DATA - DAI48 ( AMES	MES 11-073(0A148) -140A/8/C	4.246	DEPENDENT VARIABLE CP	.6730 .7800		.1356 .1581	.0818	.0297		MACH	DEPENDENT VARIABLE CP	.6730 .7800	.4658 .5278 .4112 .1176	.2804 .3201		.2595 .2864 .2933		
. 2990 . 2990 . 2990 . 00595 . 00595 . 00596 . 00650 . 00856	TABULATED PR	4	(3)	1) LEFT HING BOT SURF	.4270	0274 2898	.2136	j.	0148	7		1)LEFT WING BOT SURF	.4270	4346 4635	9905	. 1537		. 2919 5.	.1769

			¥	ES 11-07	3(64148)	AMES 11-073(04)48) -1404/6/C	•	. [					<b>P</b>	PAGE 2894
				:	10110	1404/6/			UMB LEFT WING BOT		(XEBL76)	<b>(9</b> )		
	7.887	BETA	- = -	-3.866								ı		
ION ( I)LEFT	WING BOT	T SURF		DEPEND	DEPENDENT VARIABLE CP	WELE CP								
2Y/BW .2990	.3640	.4270	.5340		.7800	.8870	.9720							
X/CF - +00 - +000		. 1790	846	.2435		.2040								
. 5050 5050 5050 5050 5050		4243	.1742	. 1968			.0837							
.637	. 1522			•		. 199								
. 670 . 007 .				7990	.:07e		.2773							
55. 25.			.0703	. 10003										
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. 839 . 839 . 850	.3599		ģ		i									
.857 .852		.2830	840¥.	. 2375	0440									
.865 .3635							.0543							
0241 · 008 ·	.2180		.1539											
. 919. 919.	.1034	. 1365				B// 1 ·								
ວ່. ຜູ້ນີ້ ພູບ ເບິ່	Š	.0504	.0739	.1120	. 0945									
. 965 0064	0310	;												
		1466		- 2925	·	4858								
ALPHA ( 4) = 7.964		BETA (2)		. 189 MACH		1.3932	a		500.00	0				1
SECTION ( 1) LEFT WING BOT	ING BOT	SURF		DEPENDENT VARIABLE CP	T VARIABE	۔ ق ب			3	L.	77 1			2.9153 :
2Y/BW . 2990	.36+0	.4270	. 5340	.6730	. 7800	.8870	02720							
1405	7407	1016				<b>1</b>	-							
- 0000 . 050 .	1316	357	.4216 8154.	.4583 .4186	.5340 .4381	.5270	.0177							
. 0228			.3197	.2963	.3334	. 3645							. <b></b> .	
. <b>0</b> 80			£707€.				.0606						****	

(XEBL.76)

AMES 11-073-1 )	ORB LEFT WING BOT			.9720		0534		6,80	.0386		.2331				0133				
I AMES	-140A/B/C		LE CP	.6870	1	9C82.	.2163	5005.		.1018		.4156				.1507			4882
- 0A14B			I VARIABLE	.7800		5185.	.2443				7660.	.4568			LT-29.		0200		
TABULATED PRESSURE DATA - DAIHB (	AMES 11-07310A148)	. 189	DEPENDENT	.6730		. 2630	.2305	.2374	326.		8		.3849		.2374		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	2621
O PRESSI	AMES		_	.5340		.2013	.2058	.1945	.1742			.0647  -	.4738		5275.	 809	200	3	
TABULATE		EETA (2)	SURF	.4270	r.	. 1942	1961		.1767	9484		į	.0371	₹ 623.	.2769		33M1.	.0459	1757
				.3640	.0700	.2374	. 1633	.1736		1556	?		Ď		95.E.	.2150	. 1000	.0276	
35		- 7.954	INCEFT WING BOT	.2930	1942		.0529							.0156		3*96		İ	<b>6</b>
DATE 10 FEB		ALPHA ( 4)	SECTION (	2Y/BW	x/CM . 081 . 086			348. 3890 3900 3004.	. 503. 503. 503.	565	. 678 678	07. 257.	35. 25. 25. 25.	808 ## #.	e: e: e: e: e: e: e: e:	200 878 878 878 878	.00.0 .00.0 .00.0	. 60 60 60 60 60 60 60 60 60 60 60 60 60 6	. 965 1.000

UAIL 10 1EB 76		TABOLA	TED PRES	SURE DAT	- 0414 - 0414	TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )	11-073-1	<b>^</b>				<b>u.</b>	PACE 2956	95 82 82
			AME	S 11+073	(0A14B)	AMES 11+073(0A148) -140A/B/C		EFT W	ORB LEFT HING BOT		(XEBL.76)			
A. PHA ( 4) = 7	7.961	BETA (3)		4.247 MACH		= 1.3932	0		600.00	۵	441.59	7		2.9153
SECTION ( !)LEFT	HING BOT	30T SURF		DEPENDE	DEPENDENT VARIABLE CP	ALE CP								
2Y/8W .2990	.3640	0754. 04	.5340	.6730	.7800	.8870	.9720							
x/CH .0102876 .020 .0000	4358 2268	. 0966 8	. 4845 154	. 4550 8414	5091	.500%	500.							
ŕ	•	•	3179	3090	7997									
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PAGE 2997 ž (XEBL.76) • 441.82 AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT 600.10 TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 ) .9720 .9720 ø .8670 -3.849 MACH = 1.3930 .887 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 7800 .7800 .1123 .6730 .6730 .0957 -. 1816 .0588 .5340 .5340 BETA ( 1) . BETA (3) = .0510 .4270 -. 1599 .4270 SECTION ( FILEFT WING BOT SURF SECTION ( 1) LEFT WING BOT SURF .0363 .3640 3640 ALPHA ( 5) = 11.871 A.PHA ( 4) . 7.961 .0332 .2390 . **29**90 DATE 10 FEB 76

.7306 .5623 4459 . 7257 . 6289 . 4450 .5154 .6614 .6078 .¥129 7564. . 3506 .6839 .5781 .4787 ¥095 .3670 .4745 .4604 .3805 .3178 -.2875 -.0397 . 1842 .3723 -.1132 . 1027 . 1309

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5 11-07	-3.849	DEPENDE	.6730	.5408		•	) 555¢					3279	. 191 .	DEPENDEN	.6730	.6204 .5764	.4796		800 <sup>4</sup> .		. 3522	
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	-	SURF	.4270		.5713		.3684		.2036		.1159	1393	BETA (2)	SURF	.4270	. 1861 . 3268 . 3818	9	.3168		.2933	.3031	
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	ALPHA ( 5)	SECTION ( 1) LEFT WING BOT SURF	27/BM	X/CW .775	808	. 6839 628	7.38. 5.88.	. 865	206. 208.	<u>ම</u> වැන	0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	. 965 1.000	ALPHA (5)	SECTION (	21.78W		050. 050.	080 180 1980	. 190 . 190 . 197	173	3.45 625 274	. 390 . 390

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HING BOT SUMT		_		161.								
	SN I T			DEPENDER	T VARIA	BLE CP						
		.4270	.5340	.6730	. 7800	.8870	.9720					
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TABULATED PRESSURE DATA - DAING ( AMES 11-073-1 )

AMES 11-073(0A148) -140A/B/C

BETA ( 3) .

ALPHA ( 5) = 11.908

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PAGE 3001  AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT (XEBL76)	- 200 8 CO 8 CO 8 CO 8 CO 8 CO 8 CO 8 CO 8		. 8870 . 9720	.8013 .78350274		1299		5882			/+IC:	. 2207 . 4616	.201≯	.2670	0.24		82.49			.1603	
1-073(	10 MACH		.6730 .7800	.7787 .7438	.6541			.5641 .6216			81/6. 1666	52%	.4205		888. Sel		8537.	Ĉ	5024. 4504.		
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	=		.5340	.7658	.6122	.5451		9064.		200		.4735	.4190			.2617	0.206	96.0	.4503		.2955
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3	DEPENDE	.6730	.2385	3399	.190 MACH	DEPENDEN	.6730	.6872 .6809	.6175		95.		A. C. A.	3	666±.	.4077			.2480	
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	E S	.4270	. 1810	1847	BETA ( 2)	SURF	.4270	.2904	, cu	. 3927		7075		1514.	, e 1 3.	į	1904			.3119
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TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )

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AYES 11-073(0A149) -140A/B/C		RE CP	.8873					.2957			5703	1.3921	LE CP	.8870	.5498 .6021 -	.5988	•	.515#		9954.	·
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5 11-0730	.190	DEPENDENT VARIABLE CP	.6730	.6543		.3895			. 2265	1	3453	4.290 MACH	DEPENDENT VARIABLE CP	.6730	.5925	. 5585		+96 <del>+</del> .		.4729	
APE			.5340	7947		.4356		.2854	.1857					.5340	.5279 .5507	.5106	.4679	.4240		.+060	
	BETA ( 2)	SURF	.4270	į		.4243		5775.	. 1843		3117	BETA (3)	SURF	.4270	0917	6	3175		.3386	2022	
		11NG 801	.3643	.3402	.5408		2702		Ç	. 1644			1NS 801	3640	4764 2479 360	3	1.80 1.180		.2398	.2706	.3+52
	= 15.917	DILEFT HING BOT	. 2990		.2258		. 5666	.3431		. 1629	•	<b>*</b> 15.907	DEFT HING BOT	3662.	. 3833	0271		. 0520	0	Coy.	
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AMES 11-073(04148) -140A/8/C		BLE CP	.8870	6404.	.2541			réna.			2685			5086
. (841¥0)		DEPENDENT VARIABLE CP	.7800			.2668	į	<b>5</b>		.4053		;	5433	
5 11-073	4.29C	DEPENDE	.6730	.4758	. 3895		. <del>2</del> 363	.6162		.3734		ļ	¥.	3601
AME			.5340	4214	.3881		. 2989	2449		.4195	2790		. 1848	
	BETA ( 3) *	SURF	.4270	.3804	4572			.3489	.5934	÷01+.		.2756	. 1919	3057
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				¥	AMES 11-073(0A148)	3(0A14B)	-140A/B/C		EFT 1	ORB LEFT WING BOT		IXE	(XEBL77)	( 05 AUG	WG 75		
	REFE	REFERENCE DATA	ATA									PARAMETE	PARAMETRIC DATA	_			
SREF = 2690. LREF = 474. BREF = 936. SCALE =	2690.0000 474.8000 936.0680	50.FT.	XMRP YMRP ZMRP	1076	776.6800 IN. .0000 IN. 775.0000 IN.	868 					RUDDER = BDFLAP = R-ELVN =	-10.000 -11.700 -10.000	SPOBRK L-ELVN MACH	XX_	` <u>.</u>	. 000 10. 000 1. 250	
ALPHA : 11 =	4.016		BETA ( 1	=======================================	-3.849	MACH	1.2454	O		599.83	à	• 552.28		<b>2</b> 2.2		#UCU Y	
SECTION ( 1)	LEFT	I ILEFT WING BOT	r surf		DEPEND	DEPENDENT VARIABLE CP	WELE CP							j i			
2Y/BW .2	.2990	.364¢	.4270	.53+0	.6730	.7800	.8870	.9720									
X/CH .0101	1516	2839	1995 3088	4080	5140	3602	3274	.6091									
•	.1556			5828	5806	6033	5947										
600. 080.				5437				6620									
	-, 1512	1440	2368														
				5044	5178	5327	5446										
163		0459	6					3873									
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(XEBL77)								P = 552.28 RN/L = 3.020+									
ORB LEFT WING BOT			.9720	-, 4299				0 = 599.63		.9720	6720	. 6087	4023			0880.	623 <del>4</del>
AMES 11-073(0A148) -140A/B/C	6h8	DEPENDENT VARIABLE CP	.6730 .7800 .8870	í	1693	11781596	16811820	.186 MACH = 1.2454	DEPENDENT VARIABLE CP	.6730 .7800 .8870	538540443850 580260376045	598963516342	518055385780		409350065350	17184714	13983260
AMES	ALPHA ( 1) = -4.016 BETA ( 1) = -3.849	SECTION ( 1) LEFT WING BOT SURF	0456. 0544. 0495. 05340	x / CW . 857	.0813	1403 1907 - 2004	. 20%1 2165	ALPHA ( 1) = -4.011 BETA ( 2) = .	SECTION ( 1) LEFT WING BOT SURF	04EG. 0754. 049E. 0665.	.1014139209084102 .0000146915055500	15/5514/	1187	. 6060	0975 1896 1486	1138148*	1157

PAGE 3007	(XEBL77)														552.28 RN/L = 3.02G4							
	Вот														e 63							
-073-1 )	ORR LEFT HING BOT			3216.	4712					3589					0 - 599.63		.9720	7022	į	2t/0:-	103	
PRESSURE DATA - DAINB ( AMES 11-073-1 )			IABLE CP	.8870		1611.					+160	•		1400	* 1.2454	IABLE CP	.8870	4256	6539	ï	5826	•
RE DATA - OA	AMES 11-073(0A148) -140A/B/C	.186	CEPENDENT VARIABLE CP	.6730 .7800	1962	2013	.0333		0428 .0054			GET - 1711 -		2301	4.275 MACH	DEPENDENT VARIABLE CP	.6730 .7800	55154365 59156234	63356481		48435560	
TABULATED PRESSI	APES	( 2) =		0.53.0		1900	1917	1078	. 5610		- 1150	- 1763		2631	( 3)		.4270 .5340	. 0151 - 4045 - 0029 - 5435 -	4652	3891	2139 -	
<b>-</b>		-4.011 BETA	T WING BOT SURF	.35+0	0927		•	. 4186			0366	1508	2027	_	-4.020 BETA	DILEFT WING BOT SURF	.3640	0520 0659	*******			.0582
DATE 10 FEB 76		ALPHA ( 1) = -1	SECTION 1 11LEFT	21.84 . 2930	х/сн .637 .650 .670	.700 257. 027.	. 760 	. 793 . 834 2062	. 850 . 857	. 865 . 855	. 900 <b>0995</b> 905	010 0.00 0.00 0.00		.965208. 1.300	ALPHA ( 1) = -	SECTION C DLEF	2Y/BH . 2990	x/CH0969 .0100969	.0501065	9000 0000 0000 0000 0000 0000 0000 000	. 1894 1003 . 189	.153

ORB LEFT WING BOT			.9720		6165	ับ ชช		g c				99	######################################		
-140A/B/C		3LE CP	.8870	!	1.5427	3693	,	1693	e e				0671		1321
(0A148) -		DEPENDENT VARIABLE	.7800		4314			1822	, ,	96.1		.0020		1191	
ANES 11-073(0A148)	4.275	DEPENDE	.6730		1887	1335	1146		1872	.0578		0472		1333	2712
APE			.5340		1469	1083	0969		1842	.1183		0026	1250	1962	
	BETA (3)	SURF	.4270	1118	0923	0871	3724			1781	.1071	0129	1231	2081	2773
		WING BOT	3640	047		0637		0812			- 1408	.0345	0483	1544	
	<b>=</b> -4.020	DLEFT	.2990	0653							Š				2075
	ALPHA ( 1)	SECTION ( 1) LEFT WING BOT SURF	2Y/BW	X/CH .177 .229 .246	0.75 4.76 4.84	005 004 004	2000 2000 2000 2000 2000	.603 .637 .650	. 670 . 700 . 755	027. 1760 277.	. 808 . 808	. 853 . 853 . 853	86. 878. 878. 878. 878. 878.	្ត ១ ១ ទី ១ ១ ទី ១ ១ ១	. 965 1.000

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##ES 11-073(0A149)  ##ES 1	1 ( AMES 11+073-1 ) PAGE 3009	ORB LEFT WING BOT (XEBL77)	1/NG 12/08/2 = 0 85.665 = 0		.8870 .9729	1328 307K 3275		3626		**************************************	2349		5687	2233	1248	1493	1279	. 0051	an a					1285		
- 012 BETA ( 1) = 10.EFT WING BOT SURFT  -2930	SURE DAT	S 11-073	.863 M	DEPE, JOE	.6730	2999	~. 3392			2308			0960		0727	0512		. 1348		.1617	<b>-</b> ,,		.0735			
012 BETA ( 1).LEFT MING BOT SURF -2930 .3540 .42700383019400980383019400930526 .02720566032605780578057805780578057805780578057805780578		AME			.5340	1854	2+36	Ñ					. 0939		.0670	.0376		g					<b>.</b>			017
- 012 B 113.1 C 1012 B 2.00 C 25.00 C	TABULA		-	SURF	.4270	. 1767	<b>6</b> 096	Š			0673		0708		05+3			•		3061	.2286		.1023			•
0526 0526 0526 0526 0526				<b>8</b> 01	.3540	.0071	±610		-0272			•	•	0517	-	•	0271		1	9	<u> </u>	.1896		ų.	<u>ה</u> לים.	
	FEB 76				.2930	. 00018 0000	•		Š	9 9 1		0606					•			•	649			.2134		0090

- 3.0183

•	2						RN/L												
	(XEBL77)						- 552.51												
							۵												
•	ORB LEFT HING BOT						- 599.58												
TABULATED PRESSURE DATA - CAIM8 ( AMES 11-073-1 )				.9720			ø		.9720	3368	2362	3	6966			- 0991	1552	<b>3</b>	. U*ee
( AMES	AMES 11-073(0A148) -140A/B/C		LE CP	.8870		3542	1.2451	LE CP	.8870	1868	4299		3306		1224	0874			. 2223
- 04148	0A148) -		DEPENDENT VARIABLE CP	.7800	0916		MACH =	DEFENDENT VARIABLE CP	.780	2645	3756		2451		0850			100%	.2656
SURE DATA	11-0730	-3.863	DEPENDEN	.6730	0538	0957	.176 MA	DEFENDEN	.6730	3184	2933		1543		0869	0279	0276		1217
TED PRESS	AMES			.5340	0877				.5340	1911	1786	1493	1044		0583	0300	0157		1120
TABULA		BETA ( 1)	SURF	.4270	1168	1381	BETA (2)	SURF	.4270	.2647	8 5 5	0090		0360	0250		0607		1247
		.012 BE	HING BOT	.3640	1447		.014 86	MING BOT	35+0	.0013	. uces	i de		.1180	0078	0058		0058	
3.76		· ·	IILEFT L	. 2990		- 1480	3.	DLEFT N	.2993	0410	0514		0685		0529				
DATE 10 FEB		ALPHA ( 2)	SECTION (	2Y/BW	X/CH .950 .958.	. 965	ALPHA (2)	SECTION (	24/84	47.x 010. 020.	2 E C C	25. 080. 180. 80.			ម្ភាក់ មិនប្រក ទី	18. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	ង់ សុ សុ សុ សុ សុ សូ ស សុ សុ សុ ស	. 650 . 650	. 750 . 750 . 750 . 750 . 750

TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

DATE 10 FEB 76

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3.0183
                                                                                                                                                                      (XEB.77)
                                                                                                                                                                      552.51
 ORB LEFT MING BOT
                                                                                                                                                                      599.58
AMES 11-073(0A148) -140A/B/C
                                                                                                                                                                                                              -.2049
                                                                                                                                                                                            .8870
                                                                                                                                                         -.3143
                                                                                                                                                                    4.255 MACH = 1.2451
                                                                                                                                                                                                                              - 2318 -.2813 -.3555
                       DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                                     -.0203 -.0481 -.0559 -.0919
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                                                                                                                                                                                DEPENDENT VARIABLE CP
                                                                                                                                                                                            .7800
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                                                                                                                                -.1033 -.0456 -.0761
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-.1901
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                                                     . 1655
                                                                                   .0662
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                                                                                   .0818
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                                                                                                               -.0277
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                                                                                                                                                                                                                                           -.0784
                                                                                                                                                                   .026 BETA ( 3) =
           BETA ( 2)
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                                  .2990 .3640 .4270
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                                                                                       .0981
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                                                                                                                                                        -. 1621
                      SECTION 1 11LEFT HING BOT SURF
                                                                                                                                                                              SECTION ( DLEFT WING BOT SURF
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                                                          -. 1249
                                                                                                         .0476
                                                                                                                                                                                                            -.0630
-.0343
-.0190
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           ÷10.
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                                                                                                             -.0164
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                                                                      -.1519
                                                                                                                                                                                                                             -.0891
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                                                                                                                                                                                                                                                                                         -.0569
                                                                                                                                                                    ALPHA ( 2) =
          ALPHA ( 2) =
                                                   27/5H
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DATE 10 FEB 76

1 552.51 - 599.58 -3.868 MACH = 1.2451 DEPENDENT VARIABLE CP BETA ( 1) . SECTION ( I)LEFT HING BOT SURF ALPHA ( 3) = 3.987

.6730

.5340

.4270

24/BM

-.1666

-.1650

-.1518

XVCH .010 .0369 -.051° .4417 .2462 .1321 .1464 .1723 .020 .020 -.0044 .3959 .1359 .1162 .0585 .0087 .0762 .040 .040 .0359 .0353 .0357 .0367 .0221 .040 .0359 .0353 .0357 .0367 .0369

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DATE 1G FEB 75

3-1	ORB LEFT WING BOT			,			_																		
M.C. 11-0/3-1				0000			0778			.0156		0365			. 163±						0742				
2	AMES 11-073(0A148) -140A/B/C		ABLE CP	•		1980			.0413		.0518		0112			.3523					•		.0487		4584
•	3(0A14B)		DEPENDENT VARIABLE	.7800		¥770.	•		.0820					0071		.4298				.1378				0239	•
	.5 11-07	-3.868	DEPENDE	.6730		.0568			.0679		.0973	. 0839			0462		.3290			. 1579				- 00067	1497
	AM	11 = -1		.5340		.0341			.0729		.0767	7170.			0319	) •	8944.			1061.				0346	ř
		BETA ( )	SURF	.4270	. 1339		0970	0	.0753		.0679	4666			·	0439		5740		. 1945			.0324	.0558	0851
		3.537	WING BOT	.3540	.1033		.2141	į	.0770	. 0562			.0676			·	4440		.3010			. 1093	.0329	'	
		M F	( I)LEFT	.2393	ä	2		0078									•	0706	}		3448	9170.	•	•	1055
		e de la companya de l	SECTION	2Y/84	X/CH : 081 : 086	150	.163	. 229 9:4	֓֝֝ המיניי המיניי	390	NEGG.	25. 263.	.637	679	ال الأراد الأراد	 	og C.F.	838. 34.	. 839 . 850	957 58.	.865	930	in 6	୦. ଅଟେ ଅଟେ	

(368-77)	# 675 K	<b>-</b>																					
<b>p-</b> -	Δ.																						
ORB LEFT HING BOT	599.58																						
LEFT H	•																						
	ø		J27e.	14%	1	.0035		0925	•		0059		0511			.1597					0910		
AMES 11-073(04148) -140A/B/C	1.2451	<u>و</u> بب	.8870	. 1951	.0604		. 0855			. <b>0</b> 450	•	.0714	•	0143		·	- 340th				i	.0488	
¥8) -1		AR I ABL	. 7800	. 1646 . 0987	1570.		. 0982					•		i	ā					œ.		•	
7310A1	MACH	ENT V								. 0896					0046		.4176			. 1548			
S 11-0	. 182	DEPENDENT VARIABLE CP	.6730	. 1669 . 1466	.0412		. 0959			.0793		. 1148	.1021			0447		.3365		.1530			
AME			.5340	.2924 1821	.1179	. 1023	.0640			9060.		.0532	. (925			0251		. 4486		. 1888		.0493	
	BETA (2)	SURF	.4270	3707		.1551			Ž D I	.0981		.0885	5278			•	0391		.3729	1911.			. C618
	3.988 88	DILEFT WING BOT SURF	.3640	2389 1157 0750		1	. 0650	.2054	.0873		. 0889		•	.0890			•	. 0292	į	. 2830	į	<b>\$</b>	0050
	. 3.0	13761	.2990	0000.	0214		3201		0304									•	0599		<b>1682</b>	7170.	•
	PHA (3)	ECTION (	18n	×,Cu 010. 020. 0+0.		.080 .081		.163		ທູ່ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ ເກີດ	39. 39.	2		.637 537	079.	S.Y.	2 C C C C C C C C C C C C C C C C C C C						919.

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ABULATED PRESSURE DATA - DAINB ( AMES 11-073-1 )

AMES 11-073(04148) -146A/B/C ORB LIFT HING BOT

(XEBL77)

PAGE 3015

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						e 552.51 RN/L = 3.0187																
						•																
}						539.58																
<b>.</b>																						
, }			.9720			ø		.9720	0469				1047			0420		-· 085+		9		
		LE CP	.8870		4314	1.2451	LE CP	.8870	. 1301	5751.			₹ -		.0781		.0913		0245		ř	. 354.5
		T VARIAB	.7800	0147		•	r VARIAB	.7800	.1724	.1151			.189		.1139				·	0003	ğ	
	. 182	DEPENDENT VARIABLE CP	.6730	. 00±5	1520	4.246 MACH	DEPENDENT VARIABLE CP	.6730	.1791	₽260.			15.		.1043		.1479	1001.		•	0438	
ì		_	.5340	0455	·	*	_	.5340	.3460 .2423	.1709	.1397		. 1026		9111.		. 1246	5660.			0244	
	BETA (2)	SURF	.4270	. 0688	1122	TA ( 3)	SURF	.4270	.3230 .3230	. 2000	1715	:		.1120		. 1219	1	?	4694		*	6210
		WING BOT	.36+0	. 0836	•	88 BETA	ING BOT !	.36+0	3625 2149	30C1 .		.0116		9281 .	. 0965		66 11.			3460°.		7
	3.988	DLEFT H	. 2933		1009	= 3.988	DILEFT HING BOT	.2990	. 2582	1660		0795		GENO	640							
	ALPHA ( 3) :	SECTION C	2Y/8¥	X/CH . 958 . 955 . 955		ALPHA (3)	SECTION ( )	2Y/B#	X/CW .010.	·			. 155 72			in Turk Turk Turk Turk Turk Turk Turk Turk	989 983 983 983 983 983 983 983 983 983	.503	. 565 600	759. 059. 058	55. 25. 25.	ក្តាស្ត្រ ប្រជុំ ប្រជុំ

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4.246

BETA ( 3) =

3.983

AL PHA ( 3) .

DATE 10 FEB 76

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(XEB.77)

					P = 552.75 RN/L = 3.0238								
					* 599.64								
	.9720	- - - - -		o		.9720	. 3827	•	<u>ē</u>	0328		.0785	
X.E. CP	JL88.		6420.	4045	1.2449	LE CP	:8870	. 5866 . 4680	. 3831	8		.2337	
DEPENDENT VARIABLE CP	.7800	.1597	198		MACH	DEPENDENT VARIABLE CP	.7800	.5726 .4515	.3473	,		2785	
DEPENDEN	.6730	. 3283	00%	1601	-3.859 MA	DEPENDE	.6730	.4923	.3183	6		.2370	
	.5340	. 1741	. 0325				.5340	.5497	.3147	2579		.2253	
SURF	.4270	.3428	1619.	1652	TA ( 1)	SURF	.4270	.4026 .4567 .3784		.2795	.2057	7806	
IJLEFT WING BOT SURF	. 3640	. 5232 5. 43.	.0071	26/21	Th BETA	ING BOT	.3640	2431 0555 0144		. 1302	. 2369	<u>:</u>	. : 839
I JEFT A	. 2930	0.62	.0689	0819	<b>■</b> 7.974	1) LEFT HING BOT SURF	.2990	0353	.0667	.0508		.0598	
SECTION (	2Y/8H	×, Ct. 775 . 198 . 834 . 835 . 850 . 850	ម្រុក សុខសុខសុខសុខសុខសុខសុខសុខសុខសុខសុខសុខសុខស		ALPHA ( 4)	SECTION (	21/BH		020	25 8 8 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ren En	<u>બ</u> ં બું છે બું છે જે છે ક	345

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PAGE 3017	(XEBL_77)													·		= 552.75 RN/L = 3.0238				
2-1 )	ORB LEFT WING BOT			£,		n	_	_				ø				= 599.6÷ P		6	c	ú
NES 11-073			e,	<u> </u>	.2236	.0628	1036					0108	71117		8+9	0 644	8	.8870 .9720	.5743 .47800497	.+012
PRESSURE DATA - DAIMB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	. 78:00	χ	S.	.0738	9538			.2241		÷.	.0470	5648	E 1.249	DEPENDENT VARIABLE CP	. 78GO .8	. 5665 .4619	. 3633
UPE DATA	0)210-11	-3.859	DEPENDENT	.5730	.2957	. 1896		.0300	.4853		5752.			.0597	2377	. 184 MACH	DEPENDENT	.6730	. 5118 . 5118 . 543	3+89
	ANTS			5340	.2224	. 2026		.0530	.6273		.2702		.1153	.0122		ı ı		.5340	.5583 .4519	. 3520
TABULATED		BETA ( 1)	Star	.4270	.1995	5237			.0850	.4915	Š		. 0898	0034	1335	BETA ( 2	Supr	.+270	.3354	. 3316
		7.974 BE	WING BOT	0-88. CH			.1750			. 0869	.4039	₩ 39	1473		. 0369	7.979 98	TET MING BOT	2990 .35+C	251 25 500 2357	### # ###
DATE 10 FEB 75		A. PHA ( 4) =	SECTION CIPLEFT	28:5: X8:Y5	#2/X 004.	2000 2000 2000 2000 2000 2000 2000 200	.637 .653	5.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	55. 57. 7.		o.	•	•	919. 939. 839.	. 965 . 965 . 000 . 1	ALPHA ( 4) =	SECTION ( DLEFT	25. #8/45	X/CH 0:0: 0:0:	1

TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )	C ORB LEFT WING BOT			.9720		#÷90			6020.		0001		• 000	, con .					,	0370				
B CAMES	-140A/B/C		BLE CP	.8870		. 3059		.2406		.2157		.0515			.4350						.1060			5573
A - 0AI4	(0A148)		DEPENDENT VARIABLE	.7800	•	.3161		.2916					.0755		.5422				. 5292				.0513	·
SURE DAT	AMES 11-073(0A148)	. 184	DEPENDE	.6730		583		.2567		. 2965	. 2027			.0364		1844.			.e15.				9750. 5450	16 p
TED PRES	AME	2) =		.5340		85%.		.2373		.2457.	.2160			.0623		.6223		9	- < 000		.1067		5400.	·
TABULA		BETA ( 2	SURF	.4270	.2656		.2151	.2191		.2237	5402				2611.		7474.		.2513		į	4960 ·	.0315	1768
		7.979 B	11LEFT WING BOT	.36+0	.0413	55.45.	9	1001	.2006			. 1959				1.788		.3725		ë	<b>5</b> 000.	.0679	0157	·
FEB 76			( 1)FEFT	. 2990	.0053		. 0260										70,0			.4011	.1607			* 00 · 1
DATE 10 FI		ALPHA ( 4)	SECTION (	2Y/8H	X/CH .081 .086 .086	.150	. 177 . 229 . 229	ייייייייייייייייייייייייייייייייייייי	390	200	. 550 . 565 . 565	.637	.650 <b>.6</b> 70	257. 257.	. 757. 0.057.	27.7. 827.	808	8.59 07.8	. 655 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	.855	000			1.000

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				CSSUME D	ATA - OA	148 CAME	RESSURE DATA - DATAB ( AMES 11-073-1 )				4	DAGE 2010	0.0
:			⋖	MES 11-0	73(0A148)	AMES 11-073(0A148) -140A/B/C	7C ORB LEFT LINE BOX	TAG DOT			•	ğ	S T T C
ALPHA ( 4) =	7.978	BETA	3	7,047	NA N					(XEBL77)			
SECTION ( 1)LEFT	TOO SAIN T	100				0++2·-	•	599.64	۵	552.75	RN/:	,,	2 02ZD
				DEPEN	DEPENDENT VARIABLE CP	ABLE CP					•		
2Y/BH . 2990	3640	0 .427q	3340		. 7800	.8870	.9720						
.0104070 .020 .0000		8 .0542 5 .1944	.5165	0244.	.5306	.5363	7.02						
.050 .069		•	.3527	.3499									
081. 180. 980.	- 0260	.2099	. 2924				0951						
. 150		n	,										
.157	פנמו		. 2503	. 2928	.3296	.3060	-,1051						
.177		.2080											
	.1313												
กับ จ.ร.ณี จ.ร.ณี		. 2243	.2375	.2782	.3016	. 2352							
330	. 1969						0253						
503.		.2363	.2536	.2899		.2081							
		4887	.2056	.1990			0491						
. 537 . 650	. 1900					.0359							
.670					.0635								
. 709 . 725 . 027 .			.0762	.0371			. 1990						
.760		. 1649			.5308	.4329							
	. 1663		.5825	<b>.</b> 4604									
. 834 . <b>0539</b> . 839	.3386												
686. 7. 68.		.2327	. 2445.	.2038	. 2289								
.845 3 <b>534</b> .873	2006					•	0673						
.905 .905		ć	1960.			. 0830.							
616.	. 0659	rono.				) ) )							

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	3 BOT (XEBL77)						599.63 P = 552.28 RN/L = 3.0229													
3-1 )	ORB LEFT WING BOT			e			* 59¢		2	<b>Q</b>	9	Q	9	<b>D</b>		ż		<u>r</u>	9	9
11-07				.9720			O		.9720	0399	0160			0289		.1204		. 1067	9	X
3 C AMES	-1+0A/B/		LE CP	.8870		5674	1.2454	LE CP	.8870	. 7397	.5980		.4556		.3844		.3343	9	EOC 1 .	
- 0A14E	0A14B) -		T VARIAE	.7800	.0539		#	T VAR! AE	.7800	. 7566 . 5851	.5821		.5028		6444				.1520	
PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(04148) -140A/B/C	4.242	DEPENDENT VARIABLE CP	.6730	. 57.40.	1488	-3.847 MACH	DEPENDENT VAR! ABLE CP	.6730	.6526	. 5532		6694.		4310		6+0+.	.3035		1267
	AMES	<i>3</i>	_	.5340	6040	·	-3.0	_	5340	.7046	.5084	.4452	.4029		.3843		.3807	.3080		
TABULATED		TA ( 3)	SURF	.4270	. 0005	1480	TA ( 1)	SURF	٠4270	9963. 9963.	60/4.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		75.20		.3498	3716	5545		
		78 BETA	WING BOT	.3640	6050	•	51 BETA	MING BOT 9	.3640	4101	ussu		2091.	. 3828	.2936		. 3288	•	.2924	
76		= 7.978	DILEFT W	.2590	·	0067	11.961	DUEFT W	. 2990	- 1806 -	. 7170.		.1050		. 1393					
DATE 10 FEB		ALPHA ( 4) =	SECTION ( )	2Y/8W	#D/X 000. 003. 003.		ALPHA ( 5) :	SECTION ( )	2Y/BW	X/CW 010.	2.6. 5.6.	760 660 660		763.	9 0 0 0 7 0 10 7	. 3.5. 3.5.	000 000 000 000 000 000 000 000 000 00	ក្រុម ស្រួល ស្រួល ស្រួល		100

DATE 10 FE	FEB 76		TABULA	ITED PRES	SURE DAT	A - 0A14	ABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )	11-073-	-				1010
				AME	5 11-073	(0A14B)	AMES 11-073(0A148) -140A/B/C	988	ORB LEFT MING BOT	F	(XFR. 77)	5	
ALPHA ( 5)		11.961	BETA ( 1)		-3.847							:	
SECTION		DILEFT WING BOT	T SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
2Y/84	.2930	3640	.4270	.5340	.6730	.7800	.8870	.9720					
X/CW 775 775 798		.3191	6700	.7339	.5801								
. 834 . 839 . 850	. 1826	.4675		. 3250	.2817	.2902							
. 865 . 865	.5439		. 300 102 102					.0382					
. 900 900 879	.2180	.2572	;	. 1636			. 1695						
7 <b>6</b> 6		. 1230	98.1.	,									
500. 500. 500. 500. 500.	0	. 0222	.0550	.0617	. 1096	. i . 98							
1.000			0+36		2996		6475						
ALPHA (5)	= = = = = = = = = = = = = = = = = = = =	.970 BE	BETA ( 2)		.192 MACH		1.2454	o	<b>=</b> 599.63	0.	* 557.28	i Na	•
SECTION (	1)LEFT	WING BOT	SURF		DEPENDENT VARIABLE CP	T VARIAB	וב כף					!	•
2Y/84	.2990	.3640	.4270	.5340	.6730	. 7800	.8870	.9720					
X/CH . 010 . 020	3591	5015	. 1025	.6324 .5771	.6506 .5723	.6729 .6491	.6517	2028					
020	0136	5051	+18c ·	. 499B	.5420	.5681							
.080 .081 .086	ć	1170.	. 3486	.4397				0423					
151 151 163 163 163	640	.3126	į	.3945	5074.	4919	. 4423	0708					
6.50 6.00 6.00 6.00 6.00 6.00 6.00 6.00	9060.	.2364	/ 65° -	₹8£.	.4273	6033	188				י נעיש		
.395 .395		.3289	. 3553					. 0560					

(XEBL77)

AMES 11-073(04148) -140A/B/C ORB LEFT NING BOT

. 193

BETA ( 2) +

ALPHA ( 5) = 11.970

													3 P = 552.28 RN/L = 3.0229					
													599.63					
	.9726		***	į	7				0033				ď		. 9720	. 3300	2,021	3
G G	. 0788.	.3134		. 1227	. 1408.				i	. 1656		6108	ŧĢ.	8	. 8870	82 45 6495	.5308	•
1 ABLE								ç		7	9	'n	• 1.2454	NABLE				
INT VAF	.7800			.1476	5415			.2852			. 1100			NT VAS	.7800	.5629 .5948	.5368	
DEPENDENT VARIABLE CP	.6739	.3990	.2974		.2159	.5570		.2682			. 0985	2027	4.260 MACH	DEPENDENT VARIABLE CP	.6730	.5642	. 5212	
	.5340	.3758	.3054		.2538	.7123		.3169		. 1605	.0582		n		.5340	.5247 .5156	. 4641	.4186
SURF	.4270	.3778	5905			.3203	.5473	.3084		1504		1589	BETA (3)	SURF	.4270	0995 .1235	0.00	
ING BOT	.3640			.2901			.3140	57.44.		9392.	.1282	0330		ING BOT	. 36+0	- 1883. - 1880. - 1880. - 1880.		
INCEFT WING BOT	. 2993						Í	<del>5</del> /	9	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		. 0303	296.11	INCEPT M	.2993	000 100 100 1	1025	
SECTION .	2Y, 84	#3/X #305 #055	. 550 . 550 . 565	. 633 536 636	9 0 K 7	.760	. 798 . era	. 65.9 . 65.9 . 65.9 . 65.9	<b>6</b> 000		6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	2	ALPHA (5)	SECTION ( 1:LEFT MING BOT SURF	27/Bk	× 200 200 200 200	9 CO 6	090.

(XEBL.77)

- 0A148 ( AMES 11-073-1 )	-1404/8/C ORB LEFT WING BOT		G H	.8870 .9720		.42071212		.3521	1010.	caa.	. 1561	. 1656	gyn		.4752				-,0388		. 1463		5818
04148			DEPENDENT VARIABLE	.7800		. 4720		. 4212		•		•	.1785		. 5972			¥026	}		•	. 1049	ï
	3:0A1							<i>*</i> .					-		ij			ý	!			=	
SURE DA	AMES 11-073(0A148)	4.260	DEPEND	.6730		.4560		.4121		3.5	.2819			. 2776		.5162		3	<b>!</b>			. 0869	1323
O PRES	AME	<i>s</i>		.5340		.3799		.3783	į	£00°.	.2928			.2851		.6564		6006		Š	1001	. 0483	
TABULATED PRESSURE DATA		BETA (3)	SURF	.4273	.2611		.3095	.3500		.3603	5143	<b>f</b>			.3150		.5024		0.29.		.1506	.0503	£82
			WING BOT	. 3540	0125		.2351	6661.	.3311			2782	}			798Y		. 4180		.2723	33.5	1250	
97.		₹ 11.962	INCEFT P	.2990		1	0030										1500	?		<b>2</b> 69 <b>3</b> .	1014		. 0533
DATE 10 FEB		ALPHA (5)	SECTION (	EY7BW	X/CH 0.081 0.086		. 163 . 171 	100 100 100 100 100 100 100 100 100 100		200	. 550 . 550 . 550	.600 .637	659. 658.	1.1.1.1 1.0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	. 750 2007 .	27.	808	(2)	. 553	ក្សិស ស្វិស ស្វិស	650. 670. 670.		1.030

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PAGE 3024

PAGE 3024	UG 75 J		.000 10.000 1.100		3.1885																	
ā	B) ( 05 AUG	DATA		i	RN/L																	
	(XE8L78)	PARAMETRIC	-10.000 -11.700 -10.000		90.00 •																	
			RUDDER # BOFLAP # R-ELVN #	ď	L																	
	ORB LEFT WING BOT			900	0.60																	
•	LEFT W			85																		
				c	,	027.0	8463		9291		5054			846		7804			5827			
	AMES 11-073(0A148) -140A/B/C			1.0993	ALE CP	.8870		8418	•	i	7699		70+1		6249	•	2768		ï	.2195		
	3(0A14B)		0,00 7,00 7,00 7,00 7,00 7,00 7,00 7,00	MACH	DEPENDENT VARIABLE	.7800	5628	8430			5/5/5		6720		•		•	1803		.3341		.0106
	ES 11-07		1076.6800 IN. .0000 IN. 375.0000 IN.	-3.838	DEPENDE		7451	8085		1			5866	1	1683	1528			1925		. 1668	.0356
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		ATA	AMAY YMRP ZMPP	BETA ( )	SURF	.4270	2996		2939			2453	1937		1282	+38+				1337	5161.	
			Sa.FT. In.	-4.052 B	WING BOT	.3540	3399 3163		, 1		0555		1339	- 151¢			1057			·	.1301	. 1035
	į	ž.	2690.0000 474.8000 935.0680	) # -t <del>.</del>	( I)LEFT	. 2990	1921	1835		1882		1529					•				•	2023
			SCALE = SCALE =	ALPHA ( 1	SECTION	2Y/BW	X/CW 010. 050. 040.	. 050 . rea	C83.	¥60° . 153			ທ່ານກຸ່ນ ພວກ	000	0 6 6 5 0 5 0	្ត ស្ត្រីស្ត្ ស្ត្រីស្ត្		n an o f	က (၂) (၂) (၂) (၂)	. 760 260 260		

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PAGE 3025
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                       (XEBL78)
                                                                                                                                                                                     709.06
                     ORB LEFT WING BOT
                                                                                                                                                                                    599.81
 TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )
                                                                .9720
                                                                                            -.3145
                                                                                                                                                                                                                .9720
                                                                                                                                                                                                                                             -.9093
                                                                                                                                                                                                                                                                                                             -. 5035
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                 AMES 11-073(0A148) -140A/B/C
                                                                .8870
                                                                                                                 -. 0932
                                                                                                                                                                                                                                     -.6177
-.8610
                                                                                                                                                                    -.0070
                                                                                                                                                                                .195 MACH = 1.0993
                                                                                                                                                                                                             .7800 .887<sub>0</sub>
                                               DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                                  -.2812 -.6935 -.7683 -.7986
                                                                                                                                                                                                                                                          -.8886
                                                                                                                                                                                              DEPENDENT VARIABLE CP
                                                                                                                                                                                                                                                                                                                                               -.6016 -.7390
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                                                              .7800
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                                -3.838
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                                                                                                                                                                                                                                                                      -.6489
                               BETA ( 1) .
                                                                                                                                                                              BETA ( 2) =
                                                           .3640 .4270
                                                                                                                                         -.2264
                                                                                  . 0248
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                                                                                                                                                                -.0388
                                                                                                                                                                                                           .4270
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                                                                                                                                                                                                                                                                                                                                                                                                    1010
                                           SECTION ( TILEFT MING BOT SURF
                                                                                                                                                                                          SECTION 1 DILEFT MING BOT SURF
                                                                                                                           -. 1731
                                                                                                                                                -.2351
                                                                                                                                                                                                           .3640
                                                                                                       -.0084
                                                                                                                                                                                                                                -.1685
-.1687
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                                                                                                                                                                                                                                                                                  -.0438
                                                                                                                                                                                                                                                                                                               .0273
                                                                                                                                                                                                                                                                                                                                     -.0814
                             ALPHA ( 1) = -4.062
                                                                                                                                                                            ALPHA ( 1) = -4.058
                                                            . 2990
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                                                                                                                                                        -.2671
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                                                                                                                                                                                                                                                                                                                             -. 1107
DATE 10 FEB 76
                                                          2Y/BW
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11-073-1	
AMES	
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0A14B	
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DATA	
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DATE 10 FEB 76

(XEBL 78)											P = 709.06 RN/L = 3.1886					
ORB LEFT WING BOT		.9720									G = 599.81		.9720		7213	
AMES 11-073(0A148) -140A/B/C	DEPENDENT VARIABLE CP	. 6730 .7800 .8870 .	- 1860	 1713			.02120032	1352	15121730	1891	4.277 MACH = 1.0993	DEPENDENT VARIABLE CP	. 5730 .7800 .8870 .	787164296631 82658688555	75′:184908478 	•
AMES 11:	( INLEFT WING BOT SURF	. 3540 .4270 .5340	1139	2370	1213	1	1114 - 1368 1018 - 1368	 - 1366	1833 2035 239)	5175	(1 = 12.055 BETA (3) = 4.27	10 CEFT HING BOT SURF	. 0422. 0754. 0495. 0852.		1007	+265 0756
AHG :4	SECTION	24/BK	3) ×	្ត ភូក្សា ( ភូមិ ស្ត្រា	ម្ចាប់ ស្ត្រី ស្ត្រី	3 (13 h	ក្រុម សំណុំស្រុំ	311	(** (* ) *** (*) 		1 (1 (1) (4	SEC 1 1 38	(F)	# # # # # # # # # # # # # # # # # # #		

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-.2224 -.3270 -.6346 -.8037

.0516

-. 0993

. 1220

ORB LEFT WING BOT AMES 11-073(0A148) -140A/8/C

.9720 .8870 DEPENDENT VARIABIE CP . 7000 .6730 4.277 .5340 BETA ( 3) = 0754. SECTION ( 11LEFT WING BOT SURF 36+0 ALFHA ( 1) # -4.055 .2390 2Y/BW

-.1390 -.1942 -.2792 -.4909 -.1048 .0081 -.0648

-.0725

-.4106 -.2314 -.1071 -.1175 -. 1520 -. 1294 -.0830 -.4143 -.0369

. 1565 . 1440. -. 1947 .187. -.2330 .2348 -.2244 -. 1549 -. 1051

-. 1220

.0076 -.0089 -.0182 1549 -.0211 -. 1085 .0625

-. 1883

-.2328 -.1765 -.1887 -.1338 -.1702 -.2078 -.0701 .0846 -.1254

-.3045 -.2578 -.2497 -.2533 -.2818

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DATE 10 FEB 76		- ·	TABULA	TED PRE!	SSURE DAT	- 0A14	TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )	11-073-1	~				_	AGE	PAGE 3028
				AM	TS 11-07	1(0A14B)	AMES 11-073(0A148) -140A/B/C		EFT	ORB LEFT WING BOT		(XEBL78)			
ALPHA ( 2) =	. O±0		BETA ( 1	#	-3.863 M	MACH	1.0990	ø		599.71	۵.	709.30	<b>3</b> 2/2		3.1896
SECTION ( 1)LEFT		HING BOT	SURF	•	DEPENDE	DEPENDENT VARIABLE CP	BLE CP								
24/8W . 2990	06	.3540	.4270	.5340	.6730	.7800	.8870	.9720							
X/CH 010.	10.0	0107	. 2165 . 1345	3339	4714	3997	3116 6023	4159							
. 050 - 0877 . 050 - 050 .		<u> </u>	86cu	3186	4558	5595	6020	-,4131							
080. 180.		ii 0	0652	2585											
51.10	W	t i		1781	2111	3729	4633	1							
4	•	.0907	0870					2159							
i	; R	0284	G	0612	0939	0937	0767								
ម្ចាស់ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ដី មួយ ស្ងី មួយ ស្ងី មួយ ស្ដី មួយ ស្ដី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងិ មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ង ស្ងី ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី មួយ ស្ងី ស្ងី ស្ងី ស្ងី ស្ងី ស្ងី ស្ងី ស្ងី	·	.0085		.0036	5110.		0204	0832							
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AMES
0A14B (
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DATA
PRESSURE
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3ATE 10 FEB 75

OPB LEFT WING BOT AMES 11-073(04148) -1404/B/C -3.863 BETA ( 1) = i i i A1 Pint 1 21 .

DEPENDENT VARIABLE CP

SECTION ( 11 EFF WING BOT SURF

.9720 .8870 .7800 .6730 . 5340 0.4270 .35.0 27/13%

-.1173 -.1444 -. 1656 -. 1897

599.71 a -.2319 .186 MACH \* 1.0990 DEPENDENT VARIABLE CP .0031 BETA ( 2) = .0032 SECTION & DILEFT WING BOT SURF 140. -.2351 ALPHA ( 2) =

PASS.

709.30

+.2156 -.2144 .9720 -.3333 -.5964 .7800 .8870 -.3606 -.4512 -.4791 -.4194 .6730 -.4550 -.2692 -.2513 -.2363 -. 1616 .5340 .2900 .2203 .0641 .4270 .2990 .3640 -.5079 -.0146 .0086 -. 1022 -.1053 2Y/Bu

-.1135 -.0890 -.0700 -.1256 5,00. .0667 . 1653 -.11115

-. 0220 -.0265 -.0601 -.0606 -.1180 . 0382 -.0230 -0000. .0109 .0007 -. 6072 0600. .0213 .0235 -.0565

-.1713

.2659 .3787 -. 1257 -. 1301

. OF91

-. 1455

-.1106

PAGE 3025

(XEBL.78)

. . .

BETA ( 2) =

140

ALPHA ( 2) =

DATE 10 FEB 76

(XEBL78)

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								T/A								
								- 709.30								
								۵								
								- 599.71								
		.9720		2089				σ		.9720	1622	- 1727		1481		1277
	BLE CP	.8870			0964		0560	1.0990	RE CP	.8870	2933	3291		1090	1047	·
	DEPENDENT VARIABLE CP	.7800		. 0472		1441		MACH	DEPENDENT VARIABLE CP	. 7800	3579	2645		6746	0555	
)	DEPENDE	.5730	.3172	. 0655		1290	0546	4.252 M	DEPENDEN	.6730	3085 2493	2323		0384	0313	
		.5340	.4018	.0997	0521	1721				.5340	0785 :034	0981	0650	0161	.0105	
	SURF	.4270	.3115	.0890	0960	184·1	0516	BETA (3)	SURF	4270	3633	9.	. 0905	.0513	9050	
<b>!</b>	HING BOT	.3643	0440.		.0337	1128		035 Bi	WING BOT SURF	. 3540	0377	<u>n</u>	<b>+0</b> 01 ·	.2101	.0853	5170.
•	: )LEFT	. 2990	0558	2. 2.4.2.1	0163	t	rel / la -	11	: JEEL:	. 2993	600 600 600 600 600 600 600 600 600 600	1851	1182		0570	
	SECTION ( 1) LEFT MING BOT SURF	2Y/BW	X/CH 775 798 808 839	. 850 	. 900 . 900 . 000	រាំង ឯកស្វាស់ ឯកស្វាស់	1.000	ALPHE ( 2)	SECTION 1	2Y/8%	#0/X	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000 1000 1000 1000 1000 1000 1000 1000	Strat.	<b>8</b> 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	CONTRACTOR OF THE PROPERTY OF

24TE 10 FEB 75	ហ		TABULAT	ED PRESS	URE DATA	- 0A148	IBULATED PRESSURE DATA - DAINB ( AMES 11-073-1	11-073-1	-			a.	PAGE
				AMES	11-073	OA148) -	AMES 11-073(0A148) -140A/B/C		ORB LEFT WING BOT		(XEB.78)	2	
ALPHA ( 2) =	6	036 BE	BETA (3)		4.252								
SECTION ( 11	INCEFT M	WING BOT	SURF		DEPENDENT VARIABLE CP	T VARIAB	LE CP						
5. WB/Y5	.2993	.3540	.4270	.5340	.6730	.7800	.8870	.9720				•	
30.7. 20.4.			.0372	.0249	. 0279		03₩6						
១ ៩ ឆ្នា ១ ឆ្នាំ ឆ្នាំ ១ ឆ្នាំ ឆ្នាំ			5003	0217	0473			c//1				•	
ຄວາມ ກ່ວນ ກ່ວນ ກ່ວນ		0162				1490	1816						
.670				1205	1729			520°					
			0087	201		. 3339	.2468						
277. 2007.		6110.		. 3980	. 2696								
	0713	.1723	.2780	.0701	0386	.0347			•				
			.0587	; ; ;	 			2416					
	3761.												
•	.0304	ocyn.	1910	0859			0990						
616. 636. 836.		- 1321	1995	1969	1493	1502							
•	.2153	1 90¢	1574		1584		1193						
ALPHA (3) =	4.005		BETA ( 1)		-3.864 MACH	•	1.0989	ø	- 599.58	Q.	- 709.30	FRIT	•
SECTION ( 1)	ILEFT H	TCB SNIM	SUR		DEPENDER	DEPENDENT VARIABLE CP	LE CP						
10/ XO	.2990	35+0	הבדבה.	.5340	.6730	. 7800	.8870	.9720					
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n ci ii (ti ii ci				.0565									

3.1896

DATE 10 FEB 76

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PAGE 3033	(XEBL78)	- 709.30 RN/L - 3.1896									v	and a second	<b></b> 1		pare								
11-073-1 )	ORB LEFT WING BOT	Q * 599.58 P		.9720	6100.		0500.	,	0806		C C C C C C C C C C C C C C C C C C C	2,00.	1097			.1387					- 1698		
PRESSURE DATA - DATHE ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	.194 MACH = 1.0989	DEPENDENT VARIABLE CP	30 .7800 .8870	31 .2878 .3077 44 .1735 .1842	20 .1397 .1619		5151. 1713 . 1212		17 . 1637 . 0843		6280.			0536		1982 . 3491	76		1 <i>2</i> 60 ·	•	0428	
TABULATED PRESSURE	AMES 11-	* (2 )	SURF DEPE	.4270 .5340 .6730	.4466 .2846 .1931 44305 .1655 .1944	.1319 .1220	. 1935	. 1393 . 1627	1490	. 1621 . 1617		. 1731 . 1816	##### C.10.1	2		0911	. 1576	5394 . 4176	.3853	.1390. 0894.		8010°-	91tto:
DATE 10 FEB 76		ALPHA ( 3) = 4.004 BETA	SECTION ( I)LEFT WING BOT S	2Y/BW . 2990 . 3640	x/CH .01017072059 .0200867	0808	. 080 . 080 . 081	0852		. 250 - 246 - 250	475. 845	. 339 . 339 . 400 . 402	.503 550		. 637 1022 650	. 700 . 700 . 735	027.	.775 .798	. 8040		. 3299	1480. 75+3.	. 42L0

AMES 11-073(04148) -140A/B/C ORB LEFT WING BOT

					:30 RN/L = 3.																
					- 709.30																
					<b>Q.</b>																
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		02/6.			σ		.9720	1433		± 101		1265			1351		1639		27.00		
	RE CP	.8870		0.964	1.0989	KE CP.	.8870	ትስትይ ትስትይ	.1867			.1196		. 0697		.0568		1148		!	.3157
	DEPENDENT VARIABLE CP	.7800	0952		MACH .	DEPENDENT VARIABLE CP	.7800	.3343	.1696			.1779		.1631					0789		1949 194
<u>\$</u>	DEPENDE	.6730	0762	0454	4.242 M	DEPENDER	.6730	.2755 .2420	.1768			.1782		1591		.1651	. 0608			0889	
•		. 5340	1.1404		4		.5340	.3844	.2275	.1976		.1788		.1799		. 1627	5160.			6000.	
BETA (2)	SURF	0.14270	1513	~. 0263	BETA (3)	SURF	.4270	.3827		7010			. 2092		/ Jan 1 .	1876	3	25.5g			.1264
	IING BOT	3540	1484			ING BOT	.3640	3350	•		£0.		.3158	.2043	32.00				o S S S		
+.00.+	DILEFT A	.2970		E091.	± 4.004	1)LEFT W	. 2990	3665	1716		1447		- 085.2								
ALPHA (3)	SECTION ( 1) LEFT WING BOT	2Y/BH	X/XW .950 .953 .956	1.000	ALPHA (3)	SECTION ( 1) LEFT WING BOT	SY/BN	X/CH .010 .020	0000	. 080 080 080	580 +60	.150	163		* 10 EN	2004	105. 105.	. 608.	, 650 650 653	257. 257.	. 755 . 760

DATE 10 FE	FEB 76		TABULA'	TED PRES	SURE DATA	1 - 0A146	ATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )	11-073-1	•				•	PAGE 3035
				AME	5 1: -073	(0A148) ·	AMES 1: -073(0A148) -140A/B/C		ORB LEFT WING BOT		C	(XEBL.78)		
ALPHA ( 3)	ø	4.00.4	BETA (3)		4.242									
SIDTION (	( 1)LEFT	SECTION ( 1) LEFT MING BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	RE CP							
2Y/84	.2990	.36+0	.4270	.53+0	.6730	.7800	.8870	.9720						
X/CW .775 .799 .809	800	.1158	.3329	.5099	.3678									
		.2373	.1025	.1106	.0690	E+/0.	•	2100						
. 965 . 900 . 300	.0310		0598	0547			0578							
e. 19.00.00.00.00.00.00.00.00.00.00.00.00.00		0828	1610	1639	1115	1069								
.965	1684		1352		1117		F.4079							
ALPHA ( 4)		8.022 B	BETA ( 1)	3	-3.857 MACH	٠	1.1003	o	<b>=</b> 600.35	<b>a</b> .	- 708	72.807	RN/L	3.19
SECTION (		1)LEFT WING BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	RE CP							
2Y/84	. 2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720						
X/CW .010 .020	1284	4061 1574	.4601 .5356	.6288	. 5302	.6506	. 5278 -	0353						
050	.0073		1004.	.4101	.4275	.4356	.4270	0.360						
286. 1886. 1886. 1886. 1886.	.0147	. 0992	.3731	.3605	200	122	1,00							
163		.3773	.3213	?		3		0514						
<b>6</b> 6 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	.0157	. 2930	73127	.3155	3150	.3042	.2368							
ພູພູ. ເບື້ອ		.3078	 					.0418						

AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT

-3.857

BETA ( 1) =

9.055

ALPHA ( 4) \*

DATE 10 FEB 76

(XEBL78)

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RN/L
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SECTION ( 1) LEFT WING BOT SURF
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(XEBL78)

•	LEFT WING BOT																						
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( AMES	-140A/B/C		LE CP	.8870		5162.		. 2224		.1735		1498			.3598					1900			6775
TABULATED PRESSURE DATA - OAIWB ( AMES 11-073-1			DEPENDENT VARIABLE	.7800		.3623		.3010					.2100		.5094			1216				uses	
URE DATA	AMES 11-073(0A148)	.186	DEPENDEN	.6730		.3582		.3154		2775	. 1619			.2330		.4358		1200				0438	0941
ED PRESS	AMES	Ħ		5340		.3386		.3165		.2755	.1838			2630	Scoo.	.6033		1705	:	i c		1029	
TABULAT		BETA ( 2)	SURF	.4270	.3905		.3428	i	.3160	0		7120			1	. 2892	.4377		.1708		0034	1095	0302
				3640	0610.		.3739	.2903	2061	1000			. 1804				.2802 2	.3335		.1333	0302	(C)	
- 7e		= 8.002	THEFT MING BOT	.2990	ų. Š	٠. تا <del>ر</del> ة	6	י חבפר									!	1883		.4171	p n n		1296
DATE 10 FEB		ALPHA C L.	SECTION (	2Y/B4	.081 .085 .086	201. 201.	163	វិស្ស ភូមិ ភូមិ	475. 1048.	200	์ มูล มูล	.565 600	. <b>637</b> .650	007.	5. 10. 10.	25. 25.	. 808 808	. 839 . 839	. 857 588.	. 858 878 978	ວ ເກ ຫ ກ ຫ ຫ ກ ຫ ຫ	មាន មាន មាន មាន	

DATE 10 FEB 76

				AME	5 11-073	(0A14B)	AMES 11-073(0A14B) -140A/B/C		1 1 2 3	ORB LEFT WING BOT			(YFR: 78)		
ALPHA ( 4) =	7.5	7.997 BI	BETA ( 3	3) # 4	4.238 M	MACH	1.1003			500.35	۵		708 27	Š	2026
SECTION ( INLEFT	EFT 5	WING BOT	SURF		DEPENDE	4	BLE CP	l							
2Y/8W .29	2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720							
X/CW .01056 .020 .00	5502	4362 3528	. 1899	.5901	.5057	.5517 .4987		3507							
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	1	.2363	. 3968	£156.	866E										
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DATE 10 FEB	75		TABULATED		SURE DATA	- 04146	I CAMES	PRESSURE DATA - DAIMB ( AMES 11-073-1 )					•	PAGE 3039	920	
				AR	AMES 11-073(0A148) -140A/B/C	OA148) -	140A/B/C	ORB LEFT WING BOT	<b>Ξ</b>	NG BOT		(XEBL.78)				
A_PH4 ( 4) =		7.997 BE	BETA	#	4.238											
SECTION ( 1	LEFT	THEFT MING BOT	SURF		DEPENDENT VARIABLE CP	T VARIAE	LE CP									
2Y / BK	.2990	3640	.4270	.5340	.6730	. 7800	.8870	.9720								
X/CW . 950 . 953 . 953		1034	1118	. 1228	0680	0704										
1.000.1	3		1300		1200		6908									
ALPHA ( 5) =		.963 96	BETA (1)		-3.838 MA	MACH	1.0980	8	ı,	599.15	0.	710.01	RN/L	M	3.1917	
SECTION ( 1	NEFT !	DILEFT WING BOT	SURF		DEFENDENT VARIABLE CP	T VARIAB	LE CP									
2Y/BH	.2990	3640	.4270	.5340	.6730	.7800	.8870	.9720								
•	.2965 .000	5818 5127 	. 2303 . 4612	.7538	.7520	.7205	.6949	1997								
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080. 080. 180.			.5244	.5550			•	<del>-</del> .0301								
	. 0609	0/n		.4939	.5184	.5227	. 4534									
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DATE 10 FEB	5		TABULA	TED PRES!	SURE DATA	- 0A14	TABULATED PRESSURE DATA - DAINB ( AMES 11-073-1	11-073-	•				
				AME	5 11-0730	0A14B)	AMES 11-073(0A148) -140A/B/C		ORB LEFT WING	Ø		=	(XEBL.78)
ALPHA ( 5)	=	.963 Bi	BETA ( 1)	•	-3.838								
SECTION	13TEFT	WING BOT	SURF		DEPENDENT VARIABLE CP	IT VARIA	BLE CP						
2Y/B.	.2930	.36+0	.4270	.5340	.6730	.7800	.8870	.9720					
X/CH 775 799 608		.3300	1,100	.6433	0494.								
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ម ស្រួក សូម្	. 1060		0568		2450		6744						
ALPHA (E)		.957 95	BETA (2)		. 19th MACH	* *	1.0980	o	299	599.15	Q.	- 710	710.01 R
3501:01	1.551	WING BOT	SURF		DEPENDENT VARIABLE CP	r VARIAE	RE CP						
%/8h	. 2993	.3640	.4270	.5340	.6730	.7800	.8870	.9720					
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	<u> </u>	.4083		.4920	.5073	.5076	. 4269	0933					
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DATE 10 FEB 75		TABULAT	CED PRES	SURE DAT	FA - 0A1	B ( AMES	TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 )				
			AME	S 11-07	\$10A14B)	AMES 11-073(0A148) -140A/B/C		ORB LEFT WING BOT		(XEBL 78)	_
ALPHA ( 5) = 11.967		BETA (2)		461.							
DECTION CONTERT WING		BOT SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP					
27.84 . 2990 .	.3640	.4270	.53+0	.6730	.7800	.8870	.9720				
000 30 X		. 3897	.3724	.3847		. 2953					
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007. 0057.			.3207	.2953			27.				
257. 257.		.3340			.5167	.3838					
	27.00		.6277	.4468							
á	. 3364	. 4660									
•	3632		.2023	. 1423	.1613						
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. 1382	1715		.0384			9440					
	.0079	.0306				<u>!</u>					
		6+90	0624	0116	0059						
0813	0715	1484		1903		.6891				,	
ALPH4 ( 3) = 11.958	_	BETA (3)		4.256 M	# WACH	1.0980	•	599.15	•	710.01	PR/L

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-.1517 .1599 .3971

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SECTION ( I)LEFT WINS BOT SURF

DEPENDENT VARIABLE CP . 7800

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## TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )

AUG 75 3		000. 000.01 000.	3.5827																	
8	CATA	SPORTK - L-ELW - MACH -	<b>B</b> DV1.																	
(XEBL 79)	PARAMETRIC	-10.000 -11.700 -10.000	• 1058.8																	
		PUDDER - BOFLAP - R-ELVN -	۵																	
ORB LEFT HING BOT			600.24																	
EFT HI			•																	
988 1			0		.9720	9536	20067	. 8083	•	4057		¥. #		3358		2147				
-140A/B/C			. 89997	LE CP	.8870	-1.0336 -1.3307	-1.3620	•	-1.2474	•	2000		4505	t	0866	ľ	- 196	3		
		222		VARIAB	.7800	.0154 .328°	.3657		-1.2167 -		- 0670					0446	ij	ï		1793
AMES 11-073(0A148)		076.5800 IN. 7 0000 IN. 375 0000 IN. 2	-3.840 MACH	DEPENDENT VARIABLE	.6730	-1.2536 -1 -1.3021 -	-1.3031 -1		-1.1373 -1		078		2417	1667		•	0520	.0845		1665 -
AME		1076. 375	•		.5340	.0863 .2650	.1618	-1.0712	6238		1		2674	2568			0296	172.		1567
	TA	XMRP YMRP ZMRP	BETA (1)	SURF	.4270	4837 - 1 5249 -1	1-	4770		4652		3722	97.6					0022	. 0952	
	REFERENCE DAT	i. Siz		ING BOT	.3640	2958 2448		ı	1107	1621	3088		3356		, 75				# 10	0098
	REFER	2693.0953 477.8534 935.06€3	. 4.051	1) LEFT WING BOT SURF	.2990	1334	1306		1133		0÷93								- CB2	
		SREF = 2 LPEF = BRUT = SCALE =	ALPHA ( 1)	SECTION :	2Y/84	X/CW .010 .020	្ត ទីពី ទីពី	160	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		หา อักร์ เ	10.W.	390 1.390 1.004	E05.	203.	073. 073.	.700 257.	750		9.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00

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DATE 10 FEB 76

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(XEB. 79)

ORB LEFT HING BOT	
AMES 11-073(0A148) -140A/B/C	-3 Pho
	AFTA : 1) = -2 OLD
	14.051
	#

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	DEPENDENT VARIABLE CP	.7800			1591		MACH	DEPENDENT VARIABLE CP	. 7800	-1.0690 -1.1047 -1.3650 -1.1345	-1.2921		-1.0578		6372		
-3.840	DEPENDE	.6730			1784	0760	. 202 .	DEPENDE	.6730	-1.2792	-1.2724 -1.2921 -1.1052		6379 -1.0578		4024	2736	3058
B - 3		.5340		2881	2320		Ħ		. 534B	-1.0762 -	1.1150	6959	5173		3532	257¥	3013
BETA : 1	SURF	.4270	1684	3623	2691	0397	BETA ( 2)	SURF	۵۲۵۲۰	32.7 3739		3803		-,4095	3145	. 2465	7518
	HING BOT	.36+0			395/- 2615			THEFT WING BOT	36+0	+, 12894 -, 0993 -, 0791	• ) •	0255	0 0 2		n 0 1	2857	·
= -4.051	11655	.2993	6 <del>19</del> 2 .	2797		2502	= -4.055	TILEFT H	.2993	0418 . 0000	0577	, 1 1 1 1 1		0078		•	
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TABULATED PRESSURE (
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TABULATED PRESSURE DATA - DATHB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/8/C ORB LEFT WINS BOT		C D	.8870.9720			- 2420	.1131					1787	S C F	1361		0761
- 0A;48	11- (8414		VARIABLE	. 7800		1005		.13491151				<b>.</b>		į	•	2496	
WRE DATA	11-07310	-202	DEPENDENT VARIABLE CP	.6730		·	0855	•	. 3928		-1735 - 20cs	(5003.				3077	1286
TEO PRESS	AMES		_	5340			. 3545		. 1966		- 1756 -	3		3428		4212 -	ľ
TABULA		BETA : 21 =	SURF	.4270				0228		0670.		1763			3753	4530	1185
		ίζ	AING BOT SURF	.3540	2879				0358		0100			2197	. 39+3	, 699 t	•
D n		± -4.055	INCEFT 6	. 2933						-,1003			.0633	. 4175	•		. 3879
		A_PH2 ( 1) *	SECTION CITLEFT M	24/BH	X/CH .637	579.	857. 257.	. i.	.738	838 4.	. <b>839</b> . 850	. 857 589.	.955 6.00 6.00 6.00	•	ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື ຫຼື	7 <b>8 9</b> 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1.000.1

• 1058.6 • 600.24 .9720 -.0761 .8870 4.283 MACH . 89997 DEPENDENT VARIABLE CP .7800 .6730 -.1286 .5340 BETA ( 3) = -.1186 D754. SECTION ( DILEFT WING BOT SURF 36+0 ALPHA ( 11 . -4.070 . 2390 #8/x2

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-. 5689 -.5296 -.9243 -.8828 -.7:29 -1.2504 -1.1390 -.8876 -.1739 -1.0536 -1.294; -1.1029 -.2262 -1.102; -1.323; -1.1592 -.3183 -. 0038

-.448; -.5275 -.9224 -.8455 -.5468 -. 3095 .0363 -.0:25

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AMES 11-073(CA148) -140A/B/C

DATE 10 FEB 76

OF LEFT MING																						
			.9720				3695		3010		:	2585						2114				
)		ABLE CP	.8870			7678		5529		2391			0531						2066			1666
		DEPENDENT VARIABLE CP	.7800			6177					1050		. 1809			6					3592	
	4.283	DEPENDE	.6730			3676		2610	3460			0983		.0951		900	9361.			ļ	3/43	1744
	3) = 1		.5340			3347		2575	3060			0838		. 2355		1642			3513		0,45,0	
	BETA (	T SURF	.4270		76.5.	ļ	. 6893	2341	7428				+160		. 0661		1582		7505		4589	1620
	-4.070	WING BOT SURF	.3640			AUG.	0670	6600.		2905				0916		0193		â		3739	4291	
	#	( 1)LEFT	.2990		.0198										W. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			.0148	2456			4193
	ALPHA ( 1)	SECTION	2Y/B4	X/CH	929	6.5.4	ייני קליגי	1 + + ·	ສ ວິທີ ເຄື່ອນ เຄື่อน เกิด เกิด เกิด เกิด เกิด เกิด เกิด เกิด	.630	. 670 670	. 2007.	750	מקר. מפר.	. 908 934	ກ. ຄ. ໝ. ຄ. ໝ. ຕ.	e (1) (2) (3)		) មេ (ប ) ថា ពា	ள் ச ச	ioi di Mili	 880 800 800

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DATE 10 FEB 76			TABULATED		SURE DAT.	4 - 0A146	PRESSURE DATA - CAI48 ( AMES 11-073-1 )	1-073-1	•				PAGE 3047
				AME	\$ 11-073	(0A148) ·	AMES 11-073(0A148) -140A/B/C	ORB L	ORB LEFT WING BOT		(XEBL79)	•	
A.PHA ( 2) =	. 045		BETA ( 1)	Ħ	-3.859 MACH	ACF.	.89957	σ	<b>s</b> 599.75	۵.	. :058.8	RN/L	3.5771
SECTION C DILEFT	FT WIN	WING BOT	SURF		DEPLINDE	DEPENDENT VARIABLE CP	SLE CP						
24/BW . 2990		3640	.4270	.5340	.6730	.7800	.8870	.9720					
X/CH . 010 . 0427 . 020 . 0200 . 0500		.0928	. 1128	6354 6156	8248	7506	6198 8832	2934					
. 050 . 0099			1 104	5164	5766	6754	7454						
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				į	0416			2011.					
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.900 <b>2653</b> .905		•	上型.	3037	.,		3754						
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DATE 10 FEB 76

(XEBL79)							177. 5 = 1/88 B B.W. = 0																
ORB LEFT HING BOT							<b>599.75</b>																
			.9720		,		0		.9720	3277		3388		į	. cc /4			2645		1582		1306	
42ES 11-07310A148) -140A/B/C		BLE CP	.8870			.0601	.89957	BLE CP	.8870	6170	+++9			3241			2632	Ĭ	2003	•	079+	•	. 0822
(04148)		CEPENDENT VARIABLE CP	.7800	1266			MACH	DEFENDENT VARIABLE CP	. 7800	7011	5480			2562			2224				·	0581	.e. 76
S 11-073	-3.859	CEPENDE	.6730	1594		0150	.192 M	DEFENDE	.6730	6512 5974	4629			2033			7 101 -		1471	1966	ı	. 3456	
3.77			.5340	1.2.9					.5340	4678	3631	2883		- 1814			+0+1		1283	2080			uz'08
	BETA ( 1	SURF	.4270		0.00		BETA (2)	SURF	.4270			000			1403		1:27		. 1480	. 9610			. 0240
	.045 B	HING BOT	.3549		2644		.042 BE	WING BOT	.3640	1155	603:		. 1359		<i>LLL</i> 10.	0890		0871		•	2007		
	•	DLEFT	.2990		2339		)·	DIEFT !	.2990	.0352	.0220		.0151		!	0160.		·			•		
	ALPHA ( 2)	SECTION (		\$56. \$56. \$77.	10.05 10.05 10.05 10.05	•	(S)	SECTION (		X/CH . 010 . 020 .	ე ეე ე ე ეე ე	) (c) ) (f) (c)	ម្ចាក់	22	me s	ற்கு	929	0.8	요합:		27.0	) <b>c</b> ) c) ii	ງຕູວ

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PAGE 3049.
                                                                                                                                                                                                               REAL YEAR
                (XEBL.79)
                 ORB LEFT WING BOT
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   TABULATED PRESSURE DATA - DAIHB ( AMES 11-073-1 )
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                 AMES 11-073(0A148) -140A/B/C
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    DATE 10 FEB 75
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1	11-07	20	EPEND	.6730	1486	2092			0556		.1392		!	2071				3774		1633	Ì	DEPENDENT VARIABLE CP	
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(XEBL 79)

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ORB LEFT WING BOT
TABJLATED PRESSURE DATA - OAIWB ( AMES 11-073-1 )
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             AMES 11-073(04148) -140A/B/C
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                                                                                                                      .1066
                                                       . 2990
     SE 834 00 3470
                              ALPHA : 3: =
                                                        24/5M
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DATE 10 FEB 76

(XEBL79)	1057.3 RN/L - 3.5793							i, seride	, <b>.</b>	4173	<b>.</b>	. • . • .								
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	۵.																			
ORB LEFT WING BOT	##.600	• *** • •																	t	
•	σ		.9720	2081		2169	ų F	9		2044		1571		980					4210	
AMES 11-073(0A148) -140A/B/C	0.90070	LE CP	.8870	. 1825	+.0174		0600	•	0994	·	0935	•	0842	•		8760.			•	3614
OA148) -	MACH .	T VARIAB	.7800	.0615	0126		. 0002		0359					0558		. 2543		1920		•
11-0730	. 197 MA	DEPENDENT VARIABLE CP	.6730	.1039	0029		.0132		0170		5201	0986		•	0341	ţ	C/81.	1832		
AMES	•		.5340	.1956	.0380	.0214	. 0266		.0138		0155	0956				í	ants.	1325		3221
	BETA ( 2)	SURF	.4270	3539	, o 1 o .	.1069		.0458		.0356	.0261	M 61				3450	.:693	: 29e		3356
		Wins Bot	.3640	0011 0948	n/21.	,	0 0 1 0	.2173	. 0623	ţ	Vr to.	·	: : :				80 S	3604	1700	3576
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3.5793
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          (XEBL.79)
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            AMES :1-073(0A148) -140A/B/C ORB LEFT WING BOT
                                                                                                           600.44
TABULATED PRESSURE DATA - OAIWB ( AMES 11-073-: )
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                             ALPHA (31 =
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(XEBL 79)

AMES 11-073(04148) -140A/B/C ORB LEFT WING BOT

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								1/NE									
								- 1658.									
								Q.									
								<b>=</b> 600.17									
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	BLE CP	.8870			3479		2087	71006.	CE CP	.8870	.3816	.2757		.1322		.0702	
	DEPENDENT VARIABLE CP	.7800		2066		ተለውተ -		# #	DEPENDENT VARIABLE CP	.7800	.5208	. 2883		. 2032		. 1353	
4.251	DEPENDE	.6730	.1637	1912		3475	1655	-3.857 MACH	CEPENDEN	.6730	. <del>46</del> 45	.2833		-2019		.1532	
		.5340	.3296	. i	3333	-, 44.08		M) B		54EG.	.51;4 38 <sup>7</sup> 9	.2879	.2326	8561.		.1637	
BETA ( 3)	SURF	.4270	41 ·	M M	3283	437:	1853	4	SUP	3/81.	M	n n	J. 77.5		1993	. 1687	
4.C17 BI	THEFT WING BOT SURF	.3540	.0374	o .t	1689	3570 +:57		36 423	108 801×	Digital .	\$ 13 C	, ,	.2881	730	5000	<b>3</b> 161 .	. 159¢
j.	ILEFT ;	.2930		1.0.1 0.1.1	.1403		e F	(d)	to to to to to to to to to to to to to t	3662	- 1751 - 0000	.0372		ה ה ה	. 1639		
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	ORB LEFT WING BOT																			600 17					
-	LEFT																			•					
TABULATED PRESSURE DATA - OAIW8 ( AMES 11-073-1 )				02720		0727			0407						3410					a	ı	.9720	4512		3165
48 ( AME	-140A/B		ABLE CP	.8870	.0389		<b>.</b> 0087			1484							2730		5680	.90017	G E	.8870	. 4299 . 3454	.2463	•
TA - 041	AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	. 7800				.0433		.2987				1361				2955		3	DEPENDENT VARIABLE CP	. 7800	.4692	. 2659	
SSURE DA	ES 11-07	-3.857	DEPEND		.1100	7710.			. 0389		.2212		;	1470				2946	1746	.192 MACH	DEPENDEN	.6730	. 3835	.2787	
ATED PRE	A	u		5340	-1092	.0159			.0723		. 3906			0936			6 /60	3793		•		.5340	. 3958 . 3953	.3002	. n
TABUL		BETA ( 1)	BOT SURF	.4270	. 1383	6444				.1031		.2081		0918			3006	3948	. 0039	BETA ( 2)	SUPF	2754.	.2766 3845 3710	1	
		7.937	H1145 B31	. 3540			0002				1.0971		. 0929			14tO	3275	3670			WING BOT SURF	3840		) •	
EB 76		þ	I TILEFT	. 2930								.0186			. 2230	950	•	Ŕ	1646	7.934	DILEFT W	2992.	# 55 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0-67	
2≜T£ 13 FB		ALPHA C 4	I CA	2Y/BM	100 A A A A A A A A A A A A A A A A A A	រ រ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	.637	078.	. 786 1786 1786	763	739	8 + 60 ·	. 839 253		559.	# C.O.	200. 200.	រាស់ស ស្រីស្វី ស្រីស្វី	1.000	ALPHA 1 41	SECT 198 c	(I)	<b>១១១</b> ១ ភូមិទីទី	ក្នុង មាន	3 (2)

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DATE 10 FE9 76

AMES 11-073(0A148) -140A/B/C ORB LEFT MING BOT

(XEBL79)

		.9720		1799		- 144	1252		0894			<b>F</b> BE:-	
	KE CP	.8870	.1037		.0366	.0057		0228	į	į.		. 2977	6044
	DEPENDENT VARIABLE	. 7800	9181		. 1210			.0180	0	28/2·	1516		
. 192	DEPENDE	.6730	. 1892		+GE1.	.0885	.0036		7120.	.2006	1666		1302
		.5340	1900		0641.	.0961	9200.		. 6550	3742	1016	2897	1694.
BETA ( 2)	SURF	.4279	7275.	. 1963	. 1516	. 12+3	+.E578			.0935		3033	4017
7.934 B	HING BOT	3640	.2205	. 3202	. 1873	. 1572		8600°-		9590 .	. 0845	1355	3928
u	DLEFT	2652.	.0289	. 1295							.3082	1822	3859
ALPHA ( 4)	SECTION 1	2Y/54	20. x 00:	7	ក្នុំស្នាក់ ភូមិស្នាក់	រាស្លាយ វាស្លាយ វាការប្រ 	4,	តំ ភូមិស៊ី ភូមិស៊ី	្រួយ ។ ឯកសាស ។ ។ ។ ស		យៈរៈជាល់។ ប៉ូកាម៉ាល់លំ ១៣៣៣៣៣	្តែការប្រជាជា មេដ្ឋ : ១១១ មេ មេដ្ឋ : ១១១ មេ	វុក្សា ស្ពេស វិក្សា ស្ពេស ស្ពេស្ត្រា ស

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

4		1				
	(XEB. 79)	• 1058.1				
		۵.				
•	AMES 11-073:04148) -1404/8/C 088 LEFT WING BOT	- 600.17				
11-073-1	03B L	ø		<u> </u>	6495	
I AMES	140A/B/C	£1006. •	ינ כף	.8370	.3563	.2285
TABULATED PRESSURE DATA - CAIMB ( AMES 11-073-! )	0A1481 -		DEPENDENT VARIABLE CP	.6730 .7800	. 4052 . 3565	.2551
URE DATA	11-073	4.250 MACH	DEPENDEN	.6730	.3984	.2628
ED PRESS	RMIS			.5340	.4539	.2943
14531.47		EETA (3) a	SURF	.4270	.0990	200
	•		11%S BOT	35+€	3379	1 tho "
97		- 7.926	TIFEFT W	.2330	0000°	1206
834 01 3.10		# 1 (i) # 1	SECTION OF DIEFT MINS BOY	21.Ex	200 c	2 B C

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PACE 3057

-.1712 -.0183 .0213 -.0497 .1076 .0010 . 1243 -.5388 .0781 .1375 .0732 -.0038 -.6833 .1518 . 1950 .1026 25.25 .1485 .0913

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. 1424

-.0235

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. 1008

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a. (a. 1832)						- 1059.2 PN/L												
(173-1 )						■ 599.14 P												
11-073-1			.9720			ø		.9720	4209	2756	ה ה ה	1 2 1			0365	- 0458	6	
C AMES	) in (%) in	a G	.8870		6078	06868.	E CP	.8870	.5347	<b>\$0\$5.</b>		.2782		.2007	1393	4670		. 1857
- 0A148		r VARIABE	.7800	3313	•	•	VAR I ABI	.7800	8 # 60 m 100	.4753		.3537		2697			.1074	.3232
TABJLATED PRESSURE DATA - OATH8 ( AMES 11-073-1	fcs 11-0/516 4.250	DEPENDENT VARIABLE CP	.6730	3169	1212	347 MACH	DEPENDENT VARIABLE CP	.6730	. 5832	0084.		.3573		.2863	.2161	51112		. 0929
ID PRESSU	4 t	u	.5340	- ££1+'-	•	-3.847	L	.5340	.5357	GRB#.	φ τ τ	44		-382·	.2122	. 1145		.1226
TABULATE	ETA ( 3)	SUPF	.4270	. 3989	0965	ETA : 13	SURF	.4270	1103.	ם ח ז	۵۱ ۲.		.3362	00 00 00 00		+.6314		1429
	<b>a</b>	HING BOT	.35+0	3772		m	HING BOT	.3540		31	5. 5.535		# E C C C C C C C C C C C C C C C C C C	W.	.2753		. 0935	
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CATE 10 FEB	ALPHA ( 4)	011035 011035	# (B) > (U	*		ALPHA (5)	SECTION (	KB/ AZ			*** (a (a) (a) (b) (a) (b) (b) (b)		en (r.) Port o	កំណុស់ស កុំក្នុយក្ ក្រភូព ភូ	\$608 ##	មាល់មាន មេសាសមា មេសាស		2 CIM S S C C W S S C C C C C C C C C C C C C C C C C C

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(XEB. 79)
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             DAB LEFT WING BOT
TABULATED PRESSURE DATA - OA198 ( AMES 11-073-1 )
               AMES 11-073(0A148) -140A/B/C
                                                           .8870
                                                                                                                                                       -.2051
                                          DEPENDENT VARIABLE CP
                                                           .7800
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                                             SECTION : DIEFT WING BOT SURF
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   DATE : 0 FEB 76
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5340 SECTION : ILLEFT WING BOT SURF

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DEPENDENT VARIABLE CP

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27/BW

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10.1 10.1

AMES 11-073(0A148) -14-34/2/C ORB LEFT WING BOT

BETA ' 2) =

ALPHA ( 5) = 11.976

DATE 10 FEB 76

(XZ8L79)

Commence of the second

																* 599.14 P * 1059.2 RN/L * 3.5769	• • • • •	•	***	and the second	
	.9720		1305		0676					3392						ø		.9720	7585		4935
VARIABLE CP	.8870	. 1053		.0426		9	000					2257			6258	.89890	LE CP	.8870	.2975 .3610	3+08	
VARIA	00 <sub>E</sub>				07.	1000			0957				2537				T VARIAB	.7800	.3555 .4291	.3840	
DEPEN	.6	•	٠.				2216		1221				2862	į	3517	4.265 MACH =	DEPENDENT VARIABLE CP	.6730	.4538	.4149	
	.5340	.1938	٠.097			.1122	.4117	•	0575			2362	3543		•	÷	_	.5340	.4380	.4162	.3631
SURF	.4270	.2213	- Sana	9000			.1284	. 2382	·	0561		2587	6	ה לקם הלקם הלקם	1552	(F) (3)	SURF	.4270	2168 .0962	35.4B	
	.3540			62.00				. 1262	. 1231	·	0921		2826	3417	•	SS BETA	ING BOT !	3640	.3726		
SECTION ( 1) LEFT !!ING BOT	.2990							į	. 0437			1377		3805		= 11.955	DLEFT W	. 2990	- 7857 - - 0000 -	2063	
SECTION (	2Y/8W	X/CW .+000	. 500 500 500 500 500 500	.609	. 650 670		.750	867. 808.	\$28. 628. €28.	. 852 588.	878.	906. 808.	916. 950. 580.			ALPHA ( 5)	SECTION ( 1) LEFT WING BOT SURF	2Y/8W	X/CW .010 .020	2012	. 069 . 080

(XEBL79)

TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT		DEPENDENT VARIABLE CP	.7800 .8670 .8720	•	. 2980 . 2028 - 255 .	0/03:	.2203 .1337	1807	.070	1815	9500.	0090	191:-	. 2592 . 1229					399+	90 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	}	2734	6734
SURE DAT	5 11-073	4.265	DEPENDE	.6730		.3110		.2385		.1753	.0757			.0597		. 1925			- 1480				3065 -	3156
TED PRES	AME	•		. 5340		.2971		. 2455		.1740	.0835			.0924		.3812			0755 -		2555		3596	ř
TABULA		BETA (3)	SURF	.4270	₹.		.3006	.2530		. 1982	5998				.1204		.2210		0603			9,00°.	- 3458	2325
		11.956 B	I ILEFT WING BOT	.3640	.1096	1	.3195	.2487	.2416			. 0668				115		9411.	•	1	0819	2768	3356	•
FEB 76			( I)LEFT	. 2990	1	000	.1122										<b>10</b>			37+5.	1247	·	i	300¢
DATE 10 F		ALPHA ( 5)	SECTION	2Y/BM	X/CH .081 .085	.157	. 177 	3.00 V	390	. 404.	រ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	.637	053. 073.	. 700 7.57.	750	 8	808. 48.	02.8.	. 658. 7.28	្ត មិន្តិ មិន្តិ	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		5.50 5.50 5.50 5.50 5.50 5.50 5.50 5.50	

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11-073-1
( AMES
0A148
DATA -
PRESSURE
TABULATED

PAGE 3052

AMES 11-073(0A148) -140A/B/C ORB LEFT HING BOT (XEBLBD) ( 05 AUG 75 )	REFERENCE DATA	2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO RUDDER = -10.000 SPOBRK = .000 474.8000 IN. YMRP = .0000 IN. YO BOFLAP = -11.700 L-ELVN = 10.000 535.0600 IN. ZMRP = 375.0000 IN. ZO R-ELVN = -10.000 MACH = .600	1) = -4.078 BETA (1) = -7.858 MACH = .59728 0 = 595.86 P = 2386.0 RN/L = 4.8298	I CIDLEFT WING BOT SURF DEPENDENT VARIABLE CP	.2990 .3640 .4270 .5340 .6730 .7800 .8870 <b>.9720</b>	30626537 -1.0711 -2.1428 -2.0982 -1.8055 -1.9554 .00005776 -1.1473 -1.9848 -2.0199 -1.4842 -1.82248115	25483709 -1.1010 -1.0191	3449 2271 - 2271 - 2000	3821	1899	3757 2697269733313080	2392191319041000	1763 16801544	1969	0752 nais	2640	0409 0409 .1107 .0518	6410. ECCO 5701	0562104310431045
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PAGE 3063
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                   (XEBLBO)
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                   ORB LEFT WING BOT
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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )
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	LE CP	.8870			.0017				1082		. 0522	.59728	RE CP	.8870	1.9045	8796		3970	
	T VARIAB	.7800	0719		.0833		1078			0665		* AACH	T VARIAE	.7800	-2.1420 -1.9045 -1.6013 -1.7257	8797		4100	
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ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C

AMES 11-073-1 )

.9720 .8870 DEPENDENT VARIABLE CP .7800 .6730 .5340 BETA (3) = .3640 .4270 SECTION ( 1) LEFT HING BOT SURF -4.061 .2990 ALPHA ( 1) = 2Y/BW

-.1711 -.1657 -.2499 -.2858 -.2912 -.2716 -.1603 -.1473 -.1741 -.1761 -.2291 -.1723 -.3053 -.2025 -. 0846 

-.134 .0138 -. 0645 .1007 -.0727 -.0461

.0610 1440 -. 0292 .0307 -.0340 -.0637 -.0945

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(XEBLB0)

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<u>.</u>	URB LEFT WING BOT	- 595.86																			
11-073		0		.9720	4785	- 7547		510			1462		1422		1	• • • • • • • • • • • • • • • • • • • •				16 ¥	
TABULATED PRESSURE DATA - DAIWB ( AVES 11-073-1	-140A/B/C	.59728	BLE CP	.8870	-1.6002	7705		3521		2453		1481		0810			B. 10.			. 2711.2	
FA - 0A14		MACH	DEPENDENT VARIABLE	.7800	-1.8353 -1.2734	7665		3561		2587					0590		6/01.		1132		
SSURE DA	AMES 11-073(0A148)	4.258	OC PENDS	.6730	-1.5242 -1.2091	7081		3463		2509		1572	1356			0676	.0570		1256		
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TABUL		BETA C	SURF	.4270	3550	# D U #	3491		2629	1	2065	1557	900	9991			0283	.0331	1213	 	1TT
		-3.963	DILEFT WING BOT SUPF	.3640	1026 0902	, U. J	3625		1298	2239		1798		1735			!	0362	0540	1520	1888
37 8:		u		.2930	0535	0567	6233	, ,	Ċ	e i cu	ı							9000		.0056	
DATE 10 FEB		ALPHA ( 1)	SECTION (	2Y/B4	×, 010 000 000		080 080 188 188 188 188 188 188 188 188	150	.163	ກໍາ ກໍາດ ກໍາດ ກໍາດ ກໍາດ ກໍາດ ກໍາດ ກໍາດ ກ	ń. P. r.	398 . 304 . 504 .	558. 857.	.637	. 650 670	007. 257.		808. 808.	28. 93. 93. 93. 93. 93.	869 879 800 800	. 900 910

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(XE8L80) 2386.0

PAGE 3057							RN/L . 4.8298														
	(XE8L80)						- 2386.0														
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-	ORB LEFT MING BOT						* 595.86														
1-073-1	ORB LE			.97 <b>2</b> 0			o		.9720	3786	2830			186¥			1256		1209		
PRESSURE DATA - CA148 ( AMES 11-073-1 )	AMES 11-073(04148) -140A/B/C		RE CP	.8870		8410.	. 19728	BLE CP	.8870	-1.4707 -1.3534 -1.0393 -1.2270 -	6832		!	3150		2229	•	1286		u7@+	. 0236
- 0A14	A148)		VARIA	.7800	0834		# *	r VARIA	.7800	1.0393	6645			3074		2290				0523	3111.
SURE DATA	3 11-073(	4.258	DEPENDENT VARIABLE CP	.6730	- 6779 -	5410.	8.327 MACH	DEPENDENT VARIABLE CP	.6730	-1.2051 -	5914			. 2970		2237		1405	1230		0597
	AMES	H		.5340	1025		80		5340	.0333 .856\$	5010	3973		2668		1945		1488	1400		0399
TABULATED		BETA ( 4)	SURF	.4270	1163	. 3034	BETA ( 5)	SURF	.4270	1332 -1		£82			2114		1738		I*I¢ 2286		02÷1
			108	.36+0	1562				.3640	8100.			.0058		0606	1762		1358		1682	
3 76		-3.963	DUEFT WING	. 2990		1669	= -3.995	DILEFT WING BOT	0662.	0304	0+03		0393			02 <del>1</del> 2					
DATE 10 FEB		ALPHA ( 1)	SECTION (	2Y/8W	X/CH .950 .953 .959	. 965 1.000	ALPHA ( 1)	SECTION (	2Y/BH	X/CW .010	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	690. 180.	985. 985.	150	163	တ် တို့ ကို တို့ ရှင်	325	. 393 667 667	ង់សំសំ ភ្នំសំសំ ភូមិ ខ្លាំ	.600 .637 .638	ម្រុក មិនស្វាស់ មិនស្វាស់

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ORB LEFT WING BOT AMES 11-073(0A148) -140A/B/C 8.327 BETA ( 5) . ALPHA ( 1) = -3.995

Z 2386.5 594.33 .9720 .8870 .0170 .59646 -. 1133 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP . 7800 -.1067 -.1290 -.1098 -7.895 MACH # -.0803 -.0835 .6730 .0129 .0567 .5340 .1738 -. 0969 -. 1455 ALPHA ( 2) = -.053 BETA ( !) = -.1563 -.1051 .4270 .0312 -.1098 -.0035 SECTION ( 1) LEFT WING BOT SURF SECTION : ILLEFT WING BOT SURF -. 1399 3640 -. 0299 -.1728 -.1350 -. 0404 -.1460 . 2990 .0339 -. 1590 -. 0832 

.9720 -. 1261 -. 1297 -.5921 .8870 -.4330 -.4617 -.4742 .7800 -.7922 -.868\*--.6849 .6730 -.8813 -.4854 .5340 -. 3792 -.1505 -.2856 -.3728 . +270 .3640 -.0420 -.0700 -.0691 .2990 -.0538 -.0142 2Y/BW

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PACE 3069
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                   (XEBLBD)
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               AMES 11-07310A148) -140A/B/C ORB LEFT WING BOT
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TABULATED PRESSURE DATA - DAT48 ( AMES 11-073-1 )
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(XEBLBD)

A/B/C ORB LEFT WING BOT		CP	.8970 .9720	-, 1824 - 1 uon			C980:- 0+80:-	1140	פאלט.	0889			1 <i>77</i> ; 186		1,45
AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	8. 0087.			187 1404	0.	•		.1485		61	1126	56	d
3(0A14		ENT VA		1777		1487			0326	Ξ.		1019		0695	
S 11-07	-3.854	DEPEND	.6730	1928		1452	0888	9460		0473	. 0955	1075		0633	.0028
AME			.5340	1989		1288	0953	1110		0159	.1875	0951	1438	1160	
	BETA (2)	SURF	.4270	2307	1676	1220	- 0863	2319			0050	. UBE24	<u>.</u>	170%	4010
	008 BM	AINS BOT	.3640	.0172	0504	1518	1074		1351		59%	0380	1457	1830	<u> </u>
		INCEFT 1	.2990	0401	7860 -							0705	1863		1647
	ALPHA ( 2)	SECTION ( 1) LEFT WINS BOT SURF	2Y/B4				3.000 3.000 3.000 4.000 5.000	, <b>6</b> 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	. 653 . 650 . 650	578- 2007. 257-	08C.	. 838 . 834 . 853 . 853		ល់ <u>សំ</u> ល ស ស ស ស ស ស ស ស ស	

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073-1 )	C ORB LEFT WING BOT	Q • 594.33 P
TABULATED PRESSURE DATA - OAIHB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	.176 MACH59646 Q
- 04146	414B) .	•
DATA -	-67310/	MAC
PRESSURE	AMES 11-	.176
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		G29 BETA ( 3) =
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DATE 10 FEB 76		ALPHA ( 2) =
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(XEB_80)	- 2386.5																						
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ORB LEFT HING BOT	• 594.33																						
ORB	ø		.9720	1380	į	1371	!	1553			0929		1207		600	000							
AMES 11-073(0A148) -140A/B/C	. 59646	BLE CP	.8870	4137	3530	•	1795	•		1383	•	0880	·	0557	•	ľ	. 0280				·	1162	
(0A14B)	MACH	DEPENDENT VARIABLE CP	.7800	5147	3627		1672			1343					0341		. 1428			1044		•	
5 11-673	. 176 M	DEPENDE	.6730	5759	3445		1690			1753		0870	0913			0463		. 0839		1177			
AME	3) =		.5340	4991	3224	2672	175			1201		0955	1065			0173		1161.		0982		1512	
	BETA ( 3	OT SURF	.4270	.0893		1721		1369	1	1118		09 <u>-</u> .	2119					2039	. 0609	1099		1773	
	B 620.	HING BOT	.3640	3530. 9140.		. 0552		0181	1283		1004			1375	)			0077		0339	14:7	•	- - - -
		I ILEFT WING BO	.2930	. 6002	0107		0236		0045										0718		.0557	1835	
	ALPHA ( 2)	SECTION (	2Y/64	×/CH 00:0 020:	0 0 0 0	. 080 . 080 . 080 . 060	9 11. 10. 10.	163	223. 645.	gi.	. 345 390	203.	200. 200. 200. 200.	.630 .637	.650 .670	55. 25.7.	9.6	27. 27. 807.	878. 878.	មិន មិន្តិ		ດ. ຕິດ ຕິດ ຕິດ ຕິດ ຕິດ	D 10.

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				AM	ES 11-07.	3104148)	APES 11-07310A148) -140A/B/C	C ORB	ORB LEFT HING BOT		2	•	*
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SECTION (		DILEFT WING BOT	r SURF		DEPENDA	DEPENDENT VARIABLE CP	WELE CP						
2Y/8W	.2990	3640	.4270	.5340	.6730	. 7800	.8870	.972c					
9 28 88 88 88 88 88	Ē	1582	1220	1024	0838	0828							
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ALPHA ( 2)	•	.052 8	BETA ( 4)		4.239 H	MACH	59646	0	ğ	٥		į	
SECTION (	13FEFT	DILEFT HING BOT	SURF		DEFENDE	DEFENDENT VARIABLE CP	BLE CP	,		<b>L</b>	C.856.3	7	
2Y/BH	.2993	.3640	.4270	.5340	.6733	.7800	.8870	.9720					
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1 ) PAGE 3073	ORB LEFT WING BOT												•		ne ny syrittige nage		cor er .	**************************************			,
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PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		LE CP	.8870				•	1203	٠	. 0285	.59646	E CP		•	2359		1456		1219	
1 - 0A14	OA148)		T VARIAE	.7800			1072		·	0888			VAR I ABIL	.7800	2593 -	2315 -		1243   1456	•	1093	
SURE DATA	3 11-073	4.239	DEPENDENT VARIABLE CP	.6730	8770.		1249			0850	.0041	8.284 MACH	DEPENDENT VARIABLE CP	.6730	2836 - 2463 -	1953 -		1229		1069	
	AMES	a		.5340	.1981		1094		1532	- 1061		* 8.2	۵	.5340	1667 -	1633 -	1455	1176 -		0937	
TABULATED		BETA ( 4)	SURF	.4270		.0652	1078		1676	- 1187	0053	A (5)	SUR	.4270	. 1827 -		- 0350		.0791	1970	•
		.052 BE		.3640	007	0351	•	į	.1311	1520	•	6 BETA	HING BOT S	.3640	.0401		•	. 080a	.0568	.0712	•
9 76		0.	ITLEFT MING BOT	.2990	•	0675		.0395	1612	, E		900.	DLEFT HI	.2890	1136	. 0522		. 0387		7010-1	
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ES 11-073 <sub>1</sub> 1 )	B/C ORB LEFT WING BOT	
ABULAILU PHESSURE DAIA - DAI48 ( AMES 11-07311 )	AMES 11-173(04148) -1404/B/C ORB LEFT WING BOT	-7.902
BULATEU		=======================================
-		BETA
n		3.903
טאור זט רבש /ס		ALPHA ( 3) = 3.903 BETA ( 1) = -7.902

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(XEBLB0)

	.9720		0979	0223		0585		0655				- -		
BLE CP	.8870	.0160		0022	. 0045		0062	1	.0764			1160		0335
DEPENDENT VARIABLE	.7800	. 0239		0043			0.228		. 1836		0767		0654	
DEPENDE	.6730	0012		0063	. 008 <del>4</del>	0260		0056	. 1312		0780		0471	.0059
	.5340	0269		0031	0097	0435		. 0229	.2290		0658	1264	0790	
SURF	.4270	0233	0152	0134	.0006	2879			. 0238	.0890	0763	1463	0897	. 0264
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PAGE 3077							RN/L . 4.8207																
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-073-1 )	ORB LEFT WING BOT			.9720			0 = 593.97		.9720	2286		2,0		- 1592			-1163		1361				
PRESSURE DATA - DAIYB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		BLE CP	. 8870		0151	.59628	BLT CP	. 8870	.1550	.0553			++00			9510	0172	i	+523°-	:		. 046c
1 - 0AI4	0A14B)		IT VARIA	.7800	0791		MACH .	IT VARIA	.7800	1192	.0428			.0338			.0025				.0053		.1578
URE DATA	11-073	-3.866	DEPENDENT VARIABLE CP	.6730	0662	0010	.180 M	DEPENDENT VARIABLE CP	.6730	. 1525	.0197			1010.			. 0035	.0059		7153		0039	
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DEPENDENT VARIABLE CP BETA (3) SECTION ( 11LEFT WING BOT SURF

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DATE 10 FEB 76

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.7800 .6730 .5340

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•	ORB LEFT WING BOT																		19.580					
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PRESSURE DATA - DAINB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		ורב כף	.8870	0337		0380			.0364					B061.			0000	. 53628	בי ה ה	€ 80.	.1515	.0691	
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ORB LEFT WING BOT			.9720			2677		2247		2467		-:50%						2897				
AMES 11-073(0A148) -140A/B/C		IBLE CP	.8870		0232		0445	•	0464	•	0537	•		. 0250				•	- 1391			0279
3(04148)		DEPENDENT VARIABLE CP	. 7800		.0356		0045					0095		.1292			1017				9	
ES 11-07	8.276	DEPEND	.6730		.0287		.0010		0070	0422			0148		920.		1246			į		0523
A	3		.5340		.0172		.0123		0173	0516			.0038		.2020		0960		1408		<u> </u>	
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-1.	ORB LEFT WING BOT	<b>*</b> 593.85							٠																
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PRESSURE DATA - DAIY8 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	.59626	BLE CP	.8870	.5420	.3451			. 1850			. 1218	•	. 0847	•	. O* 14		•	.1064				•	1239	
ra - 0414	3(0A14B)	1ACH =	DEPENDENT VARIABLE CP	.7800	.5706 .4609	. 3233			.2105			N + 1 .					.0671		.2124			0556		•	
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3 11-0730	-7.896	DEPENDEN	.6730	0497	.008₹	-3.851 MA	DEPENDEN	.6730	.472. 7014.	. 2832			. 1899		. 1250	9960.	.0374		. 0358
AME			.5340	0822				.5340	.4676 .3566	.2491	. 1920		1641.		. 1248	.0783	. 0232		. 0569
	BETA ( 1)	SURF	.4270	0818	.0125	BETA ( 2)	SURF	.4270	. 3691 . 3695	÷ 10.	1110			. 1432	.1139	2060	2676		.0551
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4148)		VARIAE	.7800			0611					0953			
AMES 11-073(0A148) -140A/B/C	351	DEPENDENT VARIABLE CP	.6730	. 1448		0730							0119	. 184 MACH
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DEPENDENT VARIABLE CP .7500

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(XESLBD)

ORB LEFT WING BOT 1755 11-07310A1481 -140A/B/C

TABULATEL PRESSURE DATA - CANAB ( AMES 11-073-1 )

DATE 10 FEB TE

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DATE 10 FEB 75

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AMES 11-073(0A148) -140A/B/C	8.293	DEPENDE	.6730	.2981	.2517		. 1532		.1052	. 0600	.0071		,	-013 <del>4</del>	. 1000	09+3	
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PAGE 3087							RN/L . 4.8199														TOOL SE
	(XEBLBO)						Р = 2385.7														REPRODUCIBILITY OF THE REPORT OF THE PAGE IS POOR
-073-1 )	ORB LEFT WING BOT			.9720			a 59%.19		.9720	8837	ţ	のナ/ナ・・ -	į	*.e0g*		0748		1003		0533	
PRESSURE DATA - DAI48 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/8/C		LE CP	. 9870		1915	.59650	LE CP	9. 0788.	.4221 .52386	9684.	•	.3057	i	. kd27		. 1632	7	.0873	)	.1396
- 0A14E	OA148) -		DEPENDENT VARIABLE CP	.7800	1362		#	DEPENDENT VARIABLE CP	.7800	.500 <b>8</b> .5893	.5070		.3656		1075.					.1180	.2430
URE DATA	11-073	8.283	DEPENDEN	.6730	0765	0353	-7.860 MACH	DEPENDEN	.6730	.5882 .5981	.5029		.3460		.2654		.2008	.1193		6	s year
	AMES			.5340	0846				.5340	.5870 .5612	.4534	.3836	.3000		. 2560		. 1856	.1086			.1153
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				.36+0	1282			TOB SNI	.36+0	6794	1100	ç	000	.3668	.2493	6	B/ 03.		1040	3	
9 76		= 8.0+3	ITEFT WING BOT	.2930		1264	+76.11 =	DILEFT WING BOT	. 2990	3247	.0458		.1151		. 1879						
DATE 10 FEB		ALFHA ( 4)	SECTION (	2Y/BW	X/CH .950 .953 .955	.955 1.000	ALPHA (5)	SECTION (	2Y/BW	X/CW .010	200 200 200 200 200 200 200 200 200 200	200. 180. 180.	9	163	957. 827.	\$ C. P. P. P. P. P. P. P. P. P. P. P. P. P.	004	មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ មេ ម		រូកូចុំ ខេត្ត	និស្សិក ស្រីស្រី ស្រីស្រី ស្រីស្រី

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PAGE 3088										. 4.8199						. ,	gant i	
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										Ω.	•							
^	ORB LEFT WING BOT									<b>594.19</b>								
11-073-1				.972C		2926				ø		.9720	-1.1233	6500		2815		1735
TABULATED PRESSURE DATA - OAIMB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		RE CP	.8870		·	1386		2825	. 59650	RE CP	.8870	. 2759 - 4254	.4295		1593.	1891	
- 0A14E	OA148) -		T VARIAE	.7800		0236		0988		MACH	IT VARIA	.:.800	.3526	.4650	<b>.</b>	, 34c.	.2490	
URE DATA	11-6730	17.860	DEPENDENT VARIABLE CP	.6730	. 1933	0263		0408	.0165	-3.842 MA	DEPENDENT VARIABLE CP	.6730	.5275	.4773		) ¥	¥7.4%	
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TABULAT		BETA ( 1)	SURF	.4270	¥971.	0016	-,0855	0507	S+10.	BETA ( 2)	SURF	.4270	1187	. 3915	31.18	.2697	37.5	
				.3640	1671	.0672	ຕຸນະສ	1002		.993 BE	MING BOT	.3640	~.9106 3526	2139	.1657	.3338	. 23vg	.1959
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DATE 10 FEE		ALPHA ( 5)	SECTION	2Y/84	#2/X 87.7. 85.0. 85.0.	60.00 10.0	. 98.9 20.0 20.0 20.0	0 0 0 0 0 0 0 0 0 0	.955 1.000	ALPHA (5)	SECTION (	2Y/84	X/CW .010 .020	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7 C - 10 T	ere.	មាមមេខ ប្រការ	5.55 5.56 5.56 5.56 5.56 5.56 5.56 5.56

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TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )  AMES 11-073(0A148) -140A/B/C ORB LEF  BETA ( 2) = -3.842
DEPENDENT VARIABLE CP
.5340 .6730
.1689 .1855
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* .179 MACH
DEPENCENT VARIABLE CP
.5340 .6730
.3717 .3759 .4402 .3759
.3943 .4292
.3373

DATE : 0 FEB 76

BETA ( 3)

:2.035

ALPHA : 5

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PAGE 3091		RN/L = 4.8199																						
	(XEBLBD)	• 2385.7 RN																						
		Q.										•												
- -	ORB LEFT WING BOT	• 594.19																						
11-073-		0		.9720	-1.5623		-1.0045		7050	808c -			3378		3336			2229				1986		
PRESSURE DATA - OAI48 ( AMES 11-073-1 )	AMES 11-073(CA148) -140A/B/C	.59650	SLE CP	.8870	0814	.2818	•		.1793		101	. 151.		.0607		.0088		•	.0605			•	1777	•
4 - 0A14	(CA148)	# HON	IT VARIA	.7800	.0062 .2978	.3473			.2745		£100						. 0668		.1730		0585		•	
SURE DATA	11-073	4.242 MACH	DEPENDENT VARIABLE CP	.6730	.2363 .3481	.3711			.2723		7502.			.1478	.0833			.0526		. 1283	0656			
	AMES			.5340	.3419	4448.	.302+		.2354		.1934			. 1381	.0777			5080		. 2864	.0207		0975	
TABULATED		BETA ( 4)	SUR	٠٤٦٥.	5598		i L	₽ CO		. 2295		. 1949		.1470	-, 2925				0160.	. 1574	•	. 0200		2960.
			WING BOT	3540	9549			0201		.2347	.1748		1691			.0401	•			0160.	. 0595	•	0473	_ 7011.
B 75		= 12.027	11CEFT ;	.2990	9996 0000.	3050		1429		ć	Boto.										. 0229		. 3815.	•
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073-1 ) ORB LEFT WING BOT			s 594,19												
Ė	.9720		3	.9720	-1.7332			1,720	00 r · ·		4159	4006		2751	
8 ( AMES -14QA/B/(	BLE CP	2573	. 59650	.8870	2812	.1876		. 1241		.0788	į	. 0345	0168		9323
4 - 0A14(	DEPENDENT VARIABLE CP . 6730 . 7800 . 887	1299	297 MACH = .59651 DEPENDENT VARIABLE CP	.7800	2059	.2726		.24 I4		.1723				.0465	.1473
RESSURE DATA - 0A148 ( AMES   ARES 11-073(0A148) -140A/B/C 4.242	DEPENDE	0600	8.297 M.	.6730	.0678	.3133		. 2364		.1766		. 13:8	.0685		8040.
TED PRES	.5340	0908		.5340	.0633	.2807	. 2527	+102.		.1674	į	.117	.0621		. 0693
TABULATI BETA ( 4)	SURF .4270	0833	BETA (5) I SURF	.4270	7167 3143	3.	-2119		.2048	6	3601·	.1254	3:28		. 0843
B 750.	MING BOT	1076	9 9	.3640	7389	n -	1099		.1703	. 1355	.1397			9.70	
76 . 12	11LEFT.			.2990	-1.2501	4480		- 2+30	9600	0					
DATE :0 FEB ALPHA ( 5) :	SECTION (	X/CH .950 .953 .955 .955	ALPHA ( 5)	2Y/BW	3,0. 0,00.	,	2000 2000 2000 2000 2000 2000 2000 200		- M (- d	ກໍ່ທຸກ ກໍານທຸກ ກຸນ ຕຸກ ກຸນ ຕຸກ	19 00 00 00 00 00 00 00 00 00 00 00 00 00	្រុំ ភូមិ ភូមិ ស្តី ភូមិ ស្តី	ស់សំខាំ មិសិល មិសិល	659. 059.	557. 847. 867.

PAGE 3093

(XEBLBO)

-1 -	GRB LEFT WING BOT								
11-073				.9720		1 4 5 E			
TABULATED PRESSURE DATA - OA148 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C		BLE CP	.8970		·	1760		2095
A - 0A14	(0A14B)		DEPENDENT VARIABLE CP	.7800		0693		1405	
SURE DAT	S 11-073	8.797	DEPENDE	.6730	.1137	027607640693		095408851405	0655
TED PRES	AME			.5340	. 2692	0276	1014	+360·-	
TABULA		BETA (5) =	SURF	.4270	. 1469	0315	1022	1043	0220
			MING BOT	3640	. 0799	. 0610	0459	1060	
3 75		= 12.061	1)LEFT	. 2990		.0182	.1592		1107
DATE 10 FEB 76		A.PHA : 55' =	SECTION ( INLEFT WING BOT SURF	21/6~	× CH - 775 - 798 - 808	មិន មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិន្តិ មិនិ មិនិ មិនិ មិនិ មិនិ មិនិ មិនិ មិ	ក្នុង ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ ភូមិ	<u>စာ ဝါ ရာ ရာ</u> တို့ ငြို့ ရှိရှိ တို့ ငြို့ ရှိရှိ	. 1 200. 1

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.7900	2796	.223. .177 MACH = 1.3894	DEPENDENT VARIABLE CP	. 7830 8870	1473	2720		182-					
.6730	5302	177 m	DEPENDEN	.6730	2338	1912		1378		0657	0457	0382	
.5340	4736	*		.5340	0867	1152	1102	0821		3464	3421	3267	
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DATE 10 FEB 76

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TABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )

PAGE 3095

(XEBLB1)

AMES 11-073(0A148) -140A/6/C ORB LEFT WING BOT

ALPHA ( 1) + -3.055 BETA ( 1) + SECTION CITLEFT WING BOT SURF

DEPENDENT VARIABLE CP

DATE 10 FEB 76

(XEBLB1)

		•										* 599.67 P * 442.30 RN/L * 2.9225							
		.9720	r och	3963				3934				a		.9720	. 0852		ج و و		0667
	RE CP	.8870			. + 163				4917		2535	1.3917	LE CP	.8870	.0335	.0270		.0753	
	DEPENDENT VARIABLE CP	.7800	1028	į	1		4573			2953		*	T VARIAB	.7800	.1740	.0155		.057 <del>4</del>	
.177	DEPENDEN	.6730		1036	3087		3651			<del>t</del> 124	2303	-3.872 MACH	DEPENDENT VARIABLE CP	.6730	.1800	¥210.		. 3531	
ti		.53+0		1061	5289		4413		1,4874	2591		# .W	_	. 534C	. 2553 749	.0483	9240.	.0457	
BETA ( 1)	Suar	.4270			1:08	4335	-, 4390		-,4706	2565	2023	T	SURF	. 4270	60 E	P	269		
.028 BS	WING BOT	364C	0 0 0 0		ć		"	- 7267	5	i K		e Fig	HING BCL	.35+0	9000 03485 03485	) )		.:653	555
# -	1 PLEFT	.2990				1183		390:	- 2690		1. C. C. C. C. C. C. C. C. C. C. C. C. C.	ත් භ	K LEETING	.2893.	10000	. 8354		. 3281	
A. PHA ( 2)	SECTION C	2Y/84	30, x 50, to 50,	1,1,1,0 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	9 0 ID 0		ስ ርታ <b>ተ</b> ~ ስ ር (በ) (በ) (በ ር የር () (1	9 13 19 19 10 1 19 10 10		រ (១ ២ មា - ១១ មា ធា - ១១ មា ធា - ១១ មា មា - ១១ មា មា		TO THOUSE	SECTION	2Y/BX	9 8 6 70 6 70 6 70 6 70 6 70 6 70 6 70 6 70	o co g - ម្នា ព រ c	n ⇔ ⇔ 0 m 0 m 0 m	. 036 - 036 - 157	. :57 :53

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	(XEBLB1)																	
TABULATED PRESSURE DATA - DAIWB ( AMES 11-073-1 )	ORB LEFT WING BOT			J2L6.		.0265		-, 004P		3716				3567				
( AMES )	40A/B/C		E CP	.8870		.0591	.0552	-	9200.		3349				4004			3554
- 0A149	A1+8) -1		VARIABL	.7800		6080.			9610.		3135			4110			4723	
PE DATA	AMES 11-073(041-8) -140A/8/C	571	DEPENDENT VARIABLE CP	.6730		.0674	0770.	6470.		0234		3212		3202			- 3931	2554
O PRESSU	AMES	= -3.872	U	.5340		.0685	.0603	.0629			0323	8787.		4097	100		2742	
TABULATE		(A C 1)	SURF	.4270	.0832	.0676	.0603	6404.	: :			0601	377.te	3945		4533	25-3	:622
		5 BETA	WING BOT SURF	.35-0		9770.	.0667		.0780			Ş	06c8	3577	4008	1. 345G	- 2329	
j.		3.94	TALEFT SE	. 2990	. 0209								i Y		•			3703
באדב זם הבפ		ALPHA (3) =	51011011	34/EX	X/CH 77:	ហុក សុខភូមិ សុខភូមិ	រ មិន្តិ មិន្តិ	:កាសជ សេសជ សេសជ សេសជ	initia September 1	) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	12. E. F.	750	ង មិន្ត្រី មិន្ត្រី	68.9 7.69 7.69	878. 878.	្ត គ្រូ ញ ភ្នំ ម៉ា ញ	ន ពីពីទ	ភ្នំ មេ ភ្នំ មេ ភ្នំ មេ

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	HADLAILU PRESSURE DATA - DAIMB ( AMES 11-073-1 )	48) -140A/B/C	= 1.3917	ARIABLE CP	.7800 .8870	.1967 .2059 .1185 .0505	.0905 .0577		. 0929 . 1066		3490° S060°		.0561	•	6010.		183+08		<b>1</b> 2		3093
i	SUME DATA -	AMES 11-073(0A148)	. 185 MACH	DEPENDENT VARIABLE	. 6730	. 1797	.05+8		. 0826		. 0833		. 0892	6080.		0249	3218	3179	3:724125		
	ייאר ייארי מאר	AME	2) =		.5340	.3119	1011.	. 0968	.07:5		. 0846 6		.0759	9870		# <b>a</b> 63		+282	, QI		
â	700		BETA ( 2	SURF	.4270	.3523		.1426		. 0959		i i	. 0599	1, 1, 185			0+W	- 35 P.	E-16E		<b>.</b>
			3.983	WING BOT	35.0	1557 0642		. 0600		.1795	.0887	ָם, פַּלָם	<u>;</u>		. 0992			0515	. 3-0: 	3922	3305
יונה הרט			• ·	Leaffer .	£662.		. 3059	o C		ָ ב נ	n 3 3								555	3+21	•
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PACE 3099	1813						PN/L • 2.9256															
	(XEBLB1)						P = 442.30															
73-1 1	ORB LEFT WING BOT			ນຂ			* 599.67		02	55	,	<b>D</b>		23			Q.	ស្ព		<b>5</b>		
PRESSURE DATA - 0A148 ( AMES 11-073-1 )			۵	<u> </u>		ō.	17 0	•	05720. 07	33 260067		- 0069		0963			0112 8	0125	<b>.</b>	4183	c	3
8 . A	-140A		BLE C	.8870		3149	1.3917	BLE CF	.8870	.2453 .1226	.1113		. 1209			.0767	.0738		.020.		7	3
A - 0A14	(0 <b>414</b> 8)		DEPENDENT VARIABLE CP	. 7800	4748		MACH .	DEPENDENT VARIABLE CP	.7800	. 1508	.1137		5711.			.1033				. 0060	4 004	1200.
SURE DAT	ANES 11-073(0A149) -140A/8/C	. 185	DEPENDE	.6730	4056	2252	4.246 M	DEPENDE	.6730	.2370	4101.		3601.			. 09 <del>1</del> 9	.1152	1060.		2135	) :	
	AME	# =		.5340	2697				.53+0	3404 3701	.1575	.1317	.0872			. 0992	. 2875	.0763			0195	
TABULATED		BETA ! 2	SURF	4270	2251	1653	BETA (3)	SURF	.4270	. 2580 2960	7 0 0	. 1510		ć	1	.0991	ć	4236				0356
		3.983 8	WING BOT	.3640	3211		3.932 Bi	INLEFT WING BOT SURF	.3640	3916	707	10.0		.1385	.0812		.0861		. 0993			
FEB 76		e	. ITEFT WING	. 2990		3971	u		. 2990	1763	0552		047;		0278							
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		3276.		1 1 1 1	-			ø		9720	.0182	, 100 100 100 100 100 100 100 100 100 10		1.00%			. 0850
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	DEPENDENT VARIABLE CP	.7800		+804		- 459 <del>4</del>		MACH	CEPENCENT VARIABLE CP	. 7800	.5376 .4370	. 3311		.2825		.2431	
945.4	NGCNGHEN	.6730	3110	3057		± 30+t	: 93:	A.M. B.T.	KECKER	5730	# 15 E	.2935		. 2622		. 2293	
0		.5340	4232	9:00	m 0: 1:	255-				. 034.)	. <b>589</b> 0	10 10	. 2675	:1983		. 23.43	
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		.3540	0+78	3440	m .	320 <b>2</b> 3-7 <u>0</u>		36 FD	100 041	35+0	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	!) }	. 2688		. 23±	 	.: -33
3.932	TOE SMING BOT	.2933		c553	3428 :955	2	υ •	(f) (r)	\$ 14.43 T	3962.	# C) # C) # C)	2610.		. C377	1 C U	4 1 1 1	
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DATE 10 FEB 7	76		TABUL	ATED PRES	SURE DAT	A - 0A14	B C AMES	TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1	•			-	PAG
				AME	5 11-072	1(0A14B)	AMES 11-073(0A148) -140A/B/C		ORB LEFT WING BOT	<b>A</b> _	(XEBLB1)	_	
ALPHA : 41 =	7.903		BETA ( 1)	# ==	. 1 79								
SECTION ( 1)	DLEFT W	WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
SY/BM	.2990	.364∂	.4270	.5340	.6730	.7800	.8870	.9720					
X/CE 04.0 403-			1749	.1915	.2361		.2097						
. 503 . 550 . 8, 60 . 8, 8, 8			נית נית נית נית נית נית נית נית נית נית	.1709	.1894			.0712					
683 783		.1760	•				.103∔						
.650 678		)    -				0460.		1000					
207. 255.				.0516	.0617			38Us					
.750			.0339			2823	-,2993						
277. 897.		.0282		4045	2713								
•	0169		3119										
. 850 . 850 . 657	•	.3370	3472	3+88	3866	3671							
•	.2973	į						0+0+					
•	. 1248	\$0/c.	3991	4006			4264						
. 950 950 870	1	. 2680	2002	8144	4173	4402							
i	3660	.2936	000										
			1365		2309		3155						
ALPHA ( 5) =	11.905		BETA ( 1)		-3.868 M	MACH .	1.3983	o	* 599.44	٥	- 443.00	FN/L	
SECTION ( 1)	THEFT WING	BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	SLE CP			•			
2Y/8% .2	2990	.3640	.4270	.5340	.6730	.7800	.8870	.972Q					
30.0 010.	1117	- 2882 - 6883	3783 4494	. 5763	. 5632	. 7283 . 6296	.7346 .6475	.679					
•	1050	y n o	, tou	. +697	400°	.5126	.5594		•	-			
h co n co n co n co				1504.				. 1541					

(XEBLB1)

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TABULATED PRESSURE DATA - DAI48 ( AMES 11-073-1	AMES 11-07310A148) -140A/B/C ORB LEFT WING BOT	835	DEPENDENT VARIABLE CP	05730 .7800 .8870 .0573.	. 4125 4172	. 0035	.3641 .4008 .3800	34 <b>91.</b>		.3167	.2267	. 2032.	.1630	20972364	2064		- 7477 - 3144		-		39854017	3487
LATED PRESSI	AMES	11 • -3.668		D+53. 0	# # # #	ú	. 3368	7007		. 2956			1941		4417		1 38UE		i i		F014	
TABU		BETA ( 1)	SURF	.4270	.3774	.314E	.3171	,	. 2895	41.4				:1 0 :1	Ď u	2621		3020		3698	3528	1.1861
			ING BOT	3640	. 1836	. 3685	. 2693	.2879			27.75	<b>)</b>					<del>2</del> 941		3313	2304	י ניי ניי	
10 FEB 76		11.906 The 11.906	SECTION INTERT WING BOT	2478× . 2930	7/KH : 081 : 085 : 094 : 1269		0001. 0001. 0000. 400. 400.	100 t	7 N   P	១០.ព ១៤) ២ ០៣០		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 m 10 m	) () ( 	o grig Sloji	2.00 (0.00 (0.00 (0.00 (0.00 (0.00 (0.00)			6.50 - 1.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5000	en (**) (( () () () () () ()	÷5882:-

DATE 10 FEB 71	76		TABULA	TEO PRES	SURE DAT	TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )	B ( AMES	11-073	-1 )					PAGE 3103	3103
				AME	S 11-073	AMES 11-073(0A148) -140A/B/C	-140A/B/		ORB LEFT WI A F			(XEBLB1)			
ALPHA (5) =	11.888		BETA (2)		. 169 M	MACH	= 1.3903	ø	# 59.	<b>‡</b>	۵	443.00	RN/L		2.9079
SECTION ( 1)	LEFT !	MING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP								
2Y/BW	2990	.3640	.4270	.5340	.6730	. 7800	.8870	.9720							
X/CH .010. .020.	. 2541	3912 1454	. 1953	.6316 .5519	. 6253 . 5832	.6736	.6736 .6138	0768							
•	0620	0860	8485.	.4592	.4803	.4983	.5375								
500. 100.			Š	.3930				. 0460							
•	0735	. 1053	19 c ·	17 11 11	i C	8 0 1	ř								
		. 2992	. 2951			C Su T	Pro t .	0344							
•	1156	.2378		5 86 86 86	7540		754.0								
47.0°			.3033			0.00	. 2046								
7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		.2751	. 2852	.3092	. 3666		.3439	. 1270							
. 550 . 550 . 565			-, #815	.2780	.3075			. 1200							
.632 .637		.2770					.2005					·			
. 670 . 700 . 200				7	.1550	) (61 ·		3276							
087.			1305	:		2239	2495								
.7.75 867.		.1198	1	4403	2119										
-	115		2521												
gri Wil			2976	2988	₹.3560	3202		1							
'n	5645	70:57						3998							
	3775		3527	3591			3837								
m m		21:0													

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(XEBL81)

ORB LEFT WING BOT

TABULATED PRESSURE DATA - 04148 ( AMES 11-073-1 )
AMES 11-073(04148) -1404/B/C ORB LEFT

BETA (2)

11.888

ALPHA ( 5) =

DATE 10 FEB 76

1,

			:	10 RN/L = 2.90/9														
				443.00														
				•														
				<u>α</u>														
				599.44														
	.9720			ø		.9720	2081	1000		9280			. 0845	:	.0757		3322	
LE CP	.8870		3951	1.3903	LE CP	.8870	.5830	.5054		ያትሪት. የ		.3542		.3161		. 1955		2529.
DEPENDENT VARIABLE CP	.7800	-, 3994		# CH	DEFENDENT VARIABLE CP	.7800	.5822	. 4689		960+.		.3805					<u>.</u>	23072529
DEPENDEN	.6730	3819	3443	4.249 MACH	DEFENDER	.6730	.5481 5299	7844.		.3760		.3413		.3556	. 2858			. 1618
	.5340	3974				.5340	. 5372 . 5028	##27.	.3665	.3156		.3014		. 2995	.2683			. 1547
SURF	.4270	3377	+.2074	BETA (3)	SURF	.4270	0071	9982.	.2555		. 2542		.2798	.271:	000	9		. 1219
WING BOT	.3640	2339			AING BOT	3840	4570 2492	1835		. 3223	. 2305	. 1947	i	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		.2658		•
1.LEFT 4	.2990		2887	= 11.387	1) LEFT 1	.2990	3585 .0000	0475		.3127		. 0662						
SECTION (	MB/AZ	X/CH 2000. 5500.	1.000	ALPHA ( 5)	SECTION ( 1) LEFT WING BOT SURF	2Y/BW	X/CW .010 .020	3 C.	# C C C C C C C C C C C C C C C C C C C	8 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		ស្តី ស្តី សូស្តិ សូស្តិ	. 37.5. 4.5.0.	0 0 0 0 0 c 0	គ្រាប់ ប្រជា មាធា មាធា			. 700 . 700 . 700 . 700 . 700

PAGE 3105												RN/L • 2.9056										
	(XEBLŖ1)											14.41										
												٥						· •		- ,		# F C F
•	ORB LEFT WING BOT											* 599.91										
1-073-1	ORB LE			.9720			9					ø		.9720	1553	0	<b>K</b>		0334			.1763
PRESSURE DATA - DAIH8 ( AMES 11-073-1 )	-140A/B/C		3LE CP	.8870			•	.3910			4135	1.3887	BLE CP	.8870	.6924 .707.	.6690		4	, ,		.4861	
- 0A14	)A14B)		VAR1A	.7800			3145			4059		# #	r VARIA	.7800	.7079 .7118	.6460			. 5913		.5463	
SURE DATA	AMES 11-073(0A148) -140A/8/C	4.249	DEPENDENT VARIABLE CP	.6730	2120		- 3545			3624 -	2919	.160 MACH	DEPENDENT VARIABLE ÇP	.6730	.6962 .6871	.6196			.5336		.5072	
	AME	#		.5340 -	-,4232		<del>-</del> .2948	- 3564		3951				.5340	.6719 .6426	.5752	.5174		.4657		20 77 77 77	
TABULATED		BETA ( 3)	SURF	0154.	·	2378	2927	·	3554	3058	2381	BETA ( 1)	SURF	.4270	. 300÷	. 4 5 5 C	6	u 9 9 1		.3987	.1	3 U
			WING BOT	.3540	1511.		2558	3047	2155	2344			WING BOT	.3640	4107	c/80		. 1403	4748	)	. 3233	.3830
5. 9.		11.897	M LEEL M	0662.		1001.		2516	`		2838	15.870	DILEFT W	neps.	.3123	8440.		. 1055		.1735		
DATE 10 FEB		ALPHA (5)	SECTION	2Y / EIM	X/CH .775	808. 808.	. 959 . 950 . 659		100 m	C 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.030	ALPHA ( 6)	SECTION (	27/24	X/CW .010	300		980 980	0.1. 7.0.1	 77	សំសុំ សូសុំ សូសុំ	† 10 CO 1 TO 1 TO 1 TO 1 TO 1 TO 1 TO 1 TO 1 T

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AMES 11-073(0A148) -140A/8/C ORB LEFT WING BOT	.160	DEPENDENT VARIABLE CP	
4	ALPHA ( 6) = 15.870 BETA ( 1) = .160	SECTION ( 17 LEFT WING BOT SURF	

	0276.		. 1592	,	2850				3721				
יייייייייייייייייייייייייייייייייייייי	.8870	.4278		.2793		2080				5748			5395
	. 7800			. 2667		1792		2716			7588	3	
	.6730	.5050	4104		.2432		1001	3319			G135		3317
	.5340	4524·	.4167		.2318	1		2599		3212	.3599		
	.4270	.4052	5167			. 2069	1977	0 0 0 0		,	0.5 %	3252	4102
	Office			.4052			. 1995	244B		- 2897	2051	+851	
	. 2993						9	0	2105	1067		1573	
	2Y/BW	X/CW . +000	. ຕຸກ ປຸກຸກ ປຸກຸກ ປຸກຸກ	. 637 553 078	505. 504.	27.	. 170 878 98 98	្ត ស្វាល់ ស្វាល់	្នាំ ភូមិ ភូមិ	) C (	ກ ຫ ວ ກ ຫ ຫ ກ ຫ ຫ	9. 9. 8. 8. 8. 8. 8. 8.	1.000

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DATE ID FEB 76		TABULATED		SSURE DAT	A - 0A14	B ( AMES	PRESSURE DATA - DAIWB ( AMES 11-073-1 )				•	PAGE 3:07
			AME	AMES 11-073(0A148) -140A/B/C	(CA148)	-140A/B/I		ORB LEFT WING BOT		(XEBLB2)	_	05 AUG 75 1
REF	REFERENCE DATA	1TA								PARAMETRIC DATA	DATA	
SOFF = 3470,000 1417 = 474,400 87EF = 936,0660 SCALE = .0300	10 50.FT. 10 IN. 10 IN.	GRMY GRMY	1976.	.076.6800 IN. .0000 IN. 375.0000 IN.	000 X 4 X				RUDDER BOFLAP R-ELVN	10.000 10.000	SPDBRK - L-ELVN - MACH -	.000 -10.000 1.250
4- = 11 ) AHGHW	-4.001 B	BETA ( 1	= 0	. 172 M	MACH .	1.2466	•	<b>=</b> 600.03	<b>α</b> .	* 551.58	RN/L	3.0277
SECTION ( 1)LEFT	DILEFT WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE	BLE CP			•			
24/8k . 2990	36+0	.4270	.5340	.6730	.7800	.6870	.9720					
MC/X 010. 020.	1334	0888 1364	4106 5636	5407	4071	3848	6748					
.050 .050 .1208		<100	5324	6039	6393	6373	!					
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PAGE 3109															1. • 3.0275	**	-					
	(XEBLB2)														RN/L							
	(XEB														- 552.51							
															•							
	ORB LEFT WING BOT														599.82							
-	LEFT W														• 81							
11-073-				.9720		4616				3300					ø		.9720	.0739	į	\$/ va .	1	# . / a
PRESSURE DATA - OA148 ( AMES 11-073-1 )	AMES 11-07310A1'48) -140A/B/C		PLE CP	.6870			5169			·	2429			2124	1.2454	LE CP	.8870	.1579	. C324		.6732	•
4 - 0A14	(041'48)		CEPENDENT VARIABLE CP	.7800	1030		4221		5488			1.00	5103.		масн •	T VARIAB	.7800	.1893 .0394	. 024¢		.0557	
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		100 ±00	WING BOT	.36+3	.0168			0793	D+9+		-,4310	6125-	3603		.910 BET	MING BOT	.3640	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	;	<b>u</b> r		†
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140A/B/C		LE CP	.8870		.0361	n£ n0 °	•	0048		<b>y</b>				5658			2320
AMES 11-073(0A148) -140A/B/C		DEPENDENT VARIABLE CP	.7800		.0723				0069	r č	u 1.		5166		ו נפות	<u>;</u>	
11-0730	-3.880	DEPENDEN	.6730		.0602	.0889	0620.			0415	3918		3978		1,001		3836
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04148	1- (9+1	11	VAR I ABI	.7800	.1564	.0661		. 0923		. 0829					0012	4 AAA			5149		
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			Ω	.53+0	.2955	.1112	1663.	.0621		.0832		## <b>6</b> 0.		.0857		0387	5785		(D)		
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·		3 9ETA	HING BOT S	<u>ဗ</u>	- 2350 - 1184	.0748		. 2605	.2050	. 0969		.0851			. 1089			-,0451	14141-		
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AMES 11-073(0A148) -140A/B/C		BLE CP	.8870		2380	1.2454	PLE CP	.8870	.2508 - 1279	. 1228	•		.1132		.0773	ľ	.0921	•	0098		·	-, 4454
(0A14B)		DEPENDENT VARIABLE CP	.7800	5646		MACH	DEPENDENT VARIABLE CP	.7800	. 2339 . 1722	1111.			.1178		.1120					0112		6214
5 11-073	. 192	DEPENDE	.6730	4521	2506	4.246 M	DEPENDE	.6730	.1790	.0952			.1190		.1059		. 1463	6660.			0359	
AME	7		.5340	2779		a		.5340	.3+89 .2~13	. 1695	. 134 04 04		. 0335		.1085		. 1225	7.0977			0.260	ppcn - 1
	BETA ( 2)	SURF	.4270	2590	2019	BETA (3)	SURF	.4270	. 2798 . 3248	n n n n	ָ נמני	; ;		.1135		. 1213	1.5	†&B†				0+06
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^	ORB LITT WING BOT									- 599.87									
÷				.9720		9				0		.9720	0459		9610.	0592			.037
B C AMES	-140A/B/(		BLE CF	36870			5754		2638	1.2457	SLE CP	.8870	.5694	.3984		.3022		.2352	
- 0A14	04148)		IT VARIA	.7800		5208		5431		# 8	T VARIA	. 7800	. 5654 . 4586	.3535		.3099		1.465.	
SURE DATA	AMES ::-073(0A148) -140A/B/C	4.245	DEPENDENT VARIABLE CF	.6730	3887	3761		4730	2423	.170 MACH	DEPENDENT VARIABLE CP	.6730	.5078 7:24.	哲书.		. 2843		5672.	
רבם פתבפ	(1) X (1)	ti		.5340	5789	4786	5508	2780		n		.5340	. 4503	.3514	.2850	.2430		7025.	
TABULA		HETA ( 3)	SURF	JF270	4727	4780	116.	26:44	2006	8ETA ( 1)	SURF	.4270	.3469 .3469	C 355 .	.2593		.2116	.2157	
		ចរិច ព	WING BOT	3540	0431	4063	•	3971		.875 82	MING BOT	. 36+0	4739	55.1.	.0393		N 1 10 10	(I) (I) (I)	ģ.
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34 C1 3.40		ALPHA : 31	0FC7.C.	ر ش م	27. 37. 10.00.00.00.00.00.00.00.00.00.00.00.00.0	្សា ភា ក្រ ស ១ ភា ភា ភោ ភា ១ ភា ភា ភា ភា ភា ១ ភា ភា ភា ភា ភា ១ ភា ភា ភា ភា ភា ភា ១ ភា ភា ភា ភា ភា ភា ១ ភា ភា ភា ភា ភា ភា ភា ភា ១ ភា ភា ភា ភា ភា ភា ភា ភា ភា ១ ភា ភា ភា ភា ភា ភា ភា ភា ភា ភា ភា ភា ភា	အရာ လည်း အရာ လည်း အရာ လည်း	ភ er m ពេក ភ ព ភា ភា ព		ALPHA ( 4)	SECTION (	21/8H	30. 30. 30. 30. 30. 30. 30. 30. 30. 30.	 	30000	0 h	9 to 01	907 400,	कुछ लर्ल

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2															RN/L • 3.0278				
(XE <b>8.82)</b>															P = 552.51				
ORB LEFT WING BOT															• 600.06 •				
			ე2/6		9	-, 4658					4339				c		.9720	0321	.080.
140A/B/C		ni G	.8870	.2168	900		3938					5377		3391	1.2456	LE CP	. 8870	.7446 .6856	07. 07.
JA148) -		T VARIABL	.7800			.0738	. 3685			4740			5550		•	T VARIAB	.7800	. 7598	.5807
AMES 11-073(0A14B) -140A/B/C	.170	DEPENDENT VARIABLE CP	.6730	.2947	.2013		.0375	3593		4812			5035	2051	-3.862 MACH	CEPENDENT VARIABLE CP	.6730	.7057	.5+31
AMES	,	_	.5340	.2419	.2135		.0382	- 548th		8144		5097	3253		W.		53+0	.7093	.5070
	[A ( 1)	SURF	.4270	.2181	5554			.0284	0.4070	1		5003	3139	1638	TA 1 17	SURF	. 427G	8 8	น บู
	75 SETA	MING BOT	.3540		·	2140			. 0292	3953		4045	3345	. s / ac	93 BET	Wing Bot	.35≁0	4:22 1097	
	7.875	THEFT W	. 2930						!	210.	705.F			£1254	11.89	THEFT W	.2993	. 1720	Fatte.
	ALPHA (4) =	SECTION 1	**************************************	30/x 30/x 20/x	ង់លើសំ ឯយុខ ឯយុខ	in mil	១០៣០ ១០៣៤ ១៩៩៩	. 750 770 877	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ភ (៣ បា ( ២ ២ ឃុំ ប៉ លុំ យុំ ឃុំ ប៉		10 (10) 06 (10) 00 (10)	क्ट्राट्स कंट्रीट्स	2	ALPHA (12)	SECTIONS	38/20		ក្រុក្ត

				AMES	11-073	0A148) -	AMES 11-073(0A148) -140A/B/C	ORB LEFT WING BOT
ALPHA (S)	::	38 268:1:	BETA ( 1) =		-3.852			
SECTION ( DILEFT WING BOT SURF	DLEFT	WING BOT	SURF		DEPENDEN	DEPENDENT VARIABLE CP	LE CP	
247.BK	.2990	. 3540	.4270	.5340	.6730	. 7800	.8870	.972¢
X/CH 1081 980.		.1604	.4057					
† CC !	<u> </u>			.3989.	.4631	.5013	6+4+	1920
163		.3812	.3478					
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, eee		.3205		. 3804	4059		.3314	
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-.1731

-.4080 -.4583 -.4279.

-.4060

-.3143 -.3510

-.3145

-.5610

.081

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.0716

(XE8L82)

TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

DATE 10 FEB 76

AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT (XEBLB2)
* 600.06 P * 552.51
•
£ CP .8870 .9720 .6591 .63802027 .57420435
= 1.2456 31ABLE CP 30 .8870
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JEPENDENT V
•
TA (2) SURF
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PAGE 3117

ORB LEFT WING BOT TABULATED PRESSURE DATA - OAI48 ( AMES 11-073-1 ) AMES 11-073(0A148) -140A/B/C DATE 12 FEB 76

(XEBLB2)

R K K 552.51 **601.06** .9726 O .8870 4.251 MACH = 1.2456 DEPENDENT VARIABLE CP .7800 -.4705 -.5296 .6730 -.3685 .5340 -.5197 BETA ( 3) = BETA (2) .4270 -.3836 -.2329 SECTION ( 1) LEFT MING BOT SURF .3640 -. 3344 = 11.969 ALPHA ( 5) = 11.948 .2990 -.4233

DEPENDENT VARIABLE CP SECTION ( 1) LEFT WING BOT SURF ALPHA ( 5)

.8870 .5482 .5693 .7800 .6730 .5340 .4270 3640 .2930 2Y/BW

.9720

-.1483

.5336

.5938 .5390 .5730 .5204 .5233 .4710 -.0969 .1271 .2859 -.1039

.4216 .2628 -.0163 -.0349

.4536 .3871 .3028 .2405 .2338 . 0340

.4199

.4766

.3551

.4231

.4136

.3754

. 3811 . 2827 .3575 . 2926 8+.48 .3576 .3231

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.1353

. 2893

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(XE8L82)

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PAGE 3119	05 AUG 75 )		.000 1.10000	al 3.1942		•																
2	-	DATA	SPDBRK = L-ELVN = MACH	RN/L																		
	(XEBL83)	PARAMETRIC	10.000	- 708.59																		
			RUDDER BDFLAP R-ELVN	۵																		
	ORB LEFT WING BOT			599.30																		
-	LEFT 1			В																		
11-073-				o		.9720	9244		+088·-		7	1.1905		8133		6578						
PRESSURE DATA - DAIYB ( AMES 11-073-1	AMES 11-073(0A148) -140A/B/C			1.0992	BLE CP	.8870	6183	8896	•		8023		ť		3645	•	1089		•	6955		
A - 0A14	(0A14B)		858 848	MACH	DEPENDENT VARIABLE CP	.7800	6107 8517	8778			7708		F HOTE	500.				1814		5500		6950
SURE DAT	5.11-073		1076.6800 IN. .0000 IN. 375.0000 IN.	н 171.	DEPENDE	.6730	7786 8179	8227			6799			• • • • • • • • • • • • • • • • • • • •	1107	1407			2007		3000 ·	6338
	AME		# 1075.			.5340	6194 7784	6868	6346		2702		0	000	1153	1118			P <sup>44</sup> 2	9	56.5	0 0 0
TABULATED		TA	CHAY CHAY	BETA ( !	SURF	.4270	1043		1740			1728		1382	-		u/c-			1430	1.764.	
		REFERENCE DATA	SO.FT.	3.943 B	ILEFT WING BOT	.3640	1585 1653	†		0420		.0370	0773		1019		į	1.0/0.			1339	6103
FEB 76		REFE	26.00.0888 474.8888 843.0488 880.00	1) = -3.0	( I)LEFT	. 2990	. 1333	1344			·		1057									14:3
DATE 10 F			SPEF = LRFF = BINI F = SCALE =	ALPHA ( :	SECTION	2.7.BW	X/CH .010	ວ ຕຸ ຕຸ	080	980.	150	.163	25.00. 25.00. 20.00.		. 490 400 403			3.0.0	. 700 . 725 	0.7. 0.57. 0.54.	9 g g	្នា ស្តេស ស្

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THE REPORT OF THE PARTY OF THE

AMES 11-073(0A148) -140A/B/C ORB LEFT WING BOT

171

BETA ( 1)

-3.943

ALPHA ( 1) =

ž 710.017 599.15 -.7878 -.2139 -.1186 -.2172 -.0853 .9720 -.1157 .8879 -.3122 .8870 -.0145 -.6141 .171 MACH \* 1.0980 -.1115 -.0843 -.0747 -.1143 -.1145 -.4761 -.1343 DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 -.4220 -.0867 -.4487 .7800 -.7039 -.3617 .6730 -.4621 -. 3598 .6739 -.3633 -.0595 .0377 .0016 -.0435 +0++.--.6033 -.2662 -.2561 -. 1616 .0178 5340 -. 2272 -. 0251 .53+0 BETA ( 1) . -.4098 -.5039 -.3126 -.0022 .4270 . 2352 . 2269 . 0646 .0046 .4270 -. 7042 .0155 -.6368 -.0288 SECTION ( I)LEFT WING BOT SURF SECTION ( 1) LEFT MING BOT SURF -.4100 .3540 -.5851 3640 -.0036 -.0100 .0712 . 1660 .0214 .0195 -.6365 .065 -.6108 .2990 -.1035 -.1101 . 2990 -. 4889 -.6743 -.1019 -.0633 ALPHA ( 2) . 2Y/BM 2Y/BH

DATE IC FEB	3 76		TABULAT	ED PRESS	URE DATA	- 0A14E	ABULATED PRESSURE DATA - DAIMB ( AMES 11-073-1 )	1-073-1	•				PAGE	뇠
				AMES	11-0730	OA148) -	AMES 11-073(0A148) -140A/B/C	ORB LE	ORB LEFT WING BOT		(XE9L83)	.83)		
A_PHA ( 2)	u	. 065 BE	BETA ( 1)		171.									
SECTION (	ITLEFT	HING BOT	SURF		DEPENDENT VARIABLE CP	IT VARIAE	ILE CP							
2Y/8%	.2993	36+0	.4270	.5340	.6730	. 7800	.8870	.9723						
X/CW .637 .650		.0154				1392	,	111111111111111111111111111111111111111						
.670 .007. .257.				1711	1491	5357	7016	; ;						
367. 277.			0559	839+	4254									
. 798 878.	6	0316	6939											
. 839 . 850 . 850		5883	6825	6531	5897	6857								
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500 500 500 500		+104	3632	-										
. 965 1 . 000	6825	_	2778		3018		2189							
ALPHA ( 3)		3.859 B	BETA ( 1)	•	-3.876 MACH	5	1.0981	o	<b>598.75</b>	<b>Q</b> .	- 709.30			
SECTION (	ULEFT	I I LEFT WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	rie CP							
2Y/BW	.2990	3640	.4 <b>3</b> 70	.5340	.6730	. 7800	.8870	.9720						
X/CH .010	0231	8450 8450	2.000 0.000 0.000	.0588	.0912	. 1143	. 2676 . 1152	++60·						
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m m		.2480												

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SECTION ( 1) LEFT WING BOT SURF DEPENDENT VARIABLE CP
29/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720

X/CW .177 .0865

-.0113 -.1949 -.6035 -.6035

-.0510 -.0898 -.1025

.1310

-.0402 -.7917 -.3589 3 -.6520

-.0751 -.0751 -.5460 -.6310 79 -.5588 -.5555 00 -.3704 -.4154 19 -.4527 -.3183 -.4723 -.2835 53 -.5622 -.3322

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PAGE 3123		3.1983																				
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-	ORB LEFT WING BOT	• 598.75																				
11-073-		o		.9720	.0056	6	1		0574		0558		0957	-		.0.0.				3240		
3 ( AMES	-140A/B/(	1.0981	SLE CP	.8870	. 3289	.1634		.1269		. 0838		.0850		0599			6183				3350	
4 - 0A146	(0A148) ·		DEPENDENT VARIABLE CP	.7800	.2016	.1531		1844		. 1609					0631		5392		6829			
PRESSURE DATA - DAIH8 ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/B/C	.189 MACH	DEPENDER	.6730	.2192 .171.	.1186		.1805		.1691		.1810	.0739			0847	:	3882	5731			
TED PRES	म			.5340	.2887 .1674	. 1348	. 1258	.1635		.1741		.1785	.1051			0967		8032	6216		5803	
TABULATED		BETA ( 2	SURF	.4270	. 4551 .4372	985.	ממט		. 1498		.1735	ָ הַרָּ	: '	- 08c			0304	6533	į	. o. i.	C C	. + 30g
		. 938	WING BOT	3640	1983 0810	U385		. 1093	.2737	.1489		1081.		1 270				0145	5397		5550	5034
က (၁		m H	INLEFT	.2990	1537	0836		0917	į	651 <b>2</b>									3669	5705	- W-B	
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DATE :: FEB 76 ALPHA ( 3) =		3.908	TABUL. BETA ( 2	JULATED PRE AM (2) =	SSURE DA:	TA - 0A:	RESSURE DATA - 0A148 ( AMES AMES 11-073(0A148) -140A/B/C	<u> </u>	-073-1 , ORB LEFT HING BOT	16 BOT		J	(XEBLB3)	ā	PAG
2 8	1)LEFT	WING BOT	T SURF		DEPEND	ENT VARI	DEPENDENT VARIABLE CP								
PY/BN . 6	2990	.36+0	.4270	.5340	.6730	. 7800	.8870	.9720							
×/Cu .950 .953 .955	n 0 1	3881	3396	3516	5607	3237		_							
99	}		2440		2546		2670								
LPHA ( 3) =	m	3.913 8	BETA (3)		4.243 M	MACH	1.0981	a	Š	FOR 75	0				
SECTION ( 1)L	EFT 1	DILEFT WING BOT	SURF		DEPENDE	DEPENDENT VARIABLE CP	ABLE CP	,		?	L	é •	05.80		
Y/Bu	2990	. 3640	.4270	.5340	.6730	. 7800	.8870	9720							
X/CH .0103 .020 .0	3626	3317 1771	.4122 .4389	5787. 1775.	27.55 24.03	.3350		1±6±							
i	1743			.2249	.1817	.1817	.1936								
	į	. 0967	.2645	.1966				1070							
•	η <u>-</u>			. 1842	. 1863	.1817	. 1248								
163		.3152						1121							
.2290779 .2 <sup>2</sup> 5	£.	.2055	ž. B												
056. 475.			1961.	. 1844	. 1669	.1610	.0679								
.390		.2108						1269							
			. 1932	168	. 1639		. 0545								
រូបប្រជុំ ប្រជុំពី ប្រជុំពី			5797	. 0900	. 0565			1424							
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9.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00			·	1.1045	0944	0917		6210							
gr <sub>n</sub> .		-	0+37	) )	·	5582	6344								

PAGE 3										•									
	_									RN/L									
	(XEBLB3)									710.71									
										7									
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	ORB LEFT WING BOT									598.87									
_	EFT WI																		
11-073-1				.972C			0 7 1			G	ı	.9720	1700	- 076		0739			0427
TABULATED PRESSURE DATA - CA148 ( AMES 11-073-1 )	AMES 11-07310A1481 -140A/B/C		LE CP	.8870			4318		25.52	2250	LE CP	.8870	.5933 .5138	.456¥		9162.		.2241	
- 0A148	0A1481 -		DEPENDENT VARIABLE CP	.7800		6960		4375		MACH	AR I AE	.7800	.6273 .5387	.4399		3675		.307a	
URE DATA	11-0730	4.243	DEPENDEN	.6730	4095	5643		6834	1000	173 MA	DEPENDEN	.6730	. 5849 . 5324	.4335		36.5		.3194	
55324 O3.	AMES			.5340	. 819 <del>.</del>	6384	6532	3792				.5340	.6321	44.36	.3877	¥.		.3255	
TABULAT		BETA (3)	SURF	.4270	6634	6236	2 2 1	2366	i h	ų a	*	.4270	.3408	<u> </u>	.3973				. 3227
			H1145 BOT	.3540	0308	5337	5117	5386	5071		108	3640	6500	C	.0211		. 3699	.2362	.3119
75		3.913	IN_EFT W	. 2990		0723	5724 3514		6973	FC0 8	ינפּ	.2990	3+05	0919		- 50	- CRC0		
B34 01 31+0		ALPHA ( 3)	- *01103S	.¥. ⊞:	XXCII 775 799 . 809	. 83.9 65.9 7.29	5.00 5.00 6.00 6.00 6.00 6.00 6.00 6.00	. 019. 019.	7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	DOD:	. Ö	2Y/84	X/CW .010	. G.G.		i i i i i i	.163 .171	યું જું જું છે.	က်ယ်ယ် နေရာင်

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BETA ( 1) .
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LE CP	.8870	7171.	.0020		5695				.698			3751	■ 1.0968	BLE CP	.8870	.6794	.5988	
DEPENDENT VARIABLE CP	.7800			0191	5147			6397			6991			DEPENDENT VARIABLE CP	. 7800	.7531 .7542	.6293	
DEPENDEN	.6730	.2803	. 1639		0155	524		4792		!	5076	2647	-3.856 MACH	DEPENDE	.6730	. 7617 8757.	.6271	
	.5340	.2836	. 1831		0236	7596		5942	- C - C - C - C - C - C - C - C - C - C	,	- 32°6				.53+0	.7564 .717.	.6208	.5526
SURF	.427B	.3028	7460			0022	6177	5838		4245	3020	2245	BETA ( 11 *	SURF	.4270	25. 27.95.	C*/C:	
	.3640			.2103		1	. 0083	5220	4862	4632	3935			INLEFT WING BOT	3640	5853 2386	1280	
INLEFT WING BOT	.2330						į	(655)	5469	•		6203	11.886	DIEFT	.2590	2 <b>820</b> . ccca	.0236	
1 1.01.035	27/6H	100	ស.ស.ស. ស.ស.ស. ស.ស.ស.	.63. 650	2/4. 207.	197. 197.	. 838 878	\$ 60.00 \$ 60.00 \$ 60.00 \$ 60.00	ត្ត	. 905 916	620. 820. 820.	1.000	ALPHA ( 5)	SECTION (	2Y / Bi.	¥2,× 010. 050.	300 000 000 000 000 000 000 000 000 000	1000 1000 1000

(XEBLB3)

DRB LEFT WINS BOT AMES 11-073(04148) -140A/8/C

.9720 .0823 .0497 -.4517 .8970 4430 3575 .2751 -.4612 -.5175 -.6481 DEPENDENT VARIABLE CP £43. .6730 .7800 .9140 .0887 -. 3928 -. 6503 -. 6821 LE144. .0620 .3790 F43. -.5616 -.6177 .5164 -.7153 -.4689 -3.955 .5340 .0541 492**5** 1644. 37.74 -.6452 , 2664 BETA ( 1) = -.1805 .3543 .4270 -.5600 -. 3487 .4339 . 3965 -.6350 -.7120 .0106 -.5442 . 5295 .4696 SECTION ( 1) EFT WING BOT SURF .2137 -. 3986 -.4759 .0179 .4861 .4137 \*\*!\* .2812 -.4362 ALFHA ( 5) = 11,035 . 2<del>9</del>90 .0572 -.5509 .0832 -.5190 -.2274 -.0014 247.EM

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	<b>.</b>	FNZ																				
	(XEST93)	710.95																				
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		۵.																				
	ORB LEFT WING BOT	598.64							•													
	LEFT	•																				
11-073		ø		.9720	3495		1522		0802			.0190	5400.		,	54.25 				4837		
TAPULATED PRESSURE DATA - OAIHB ( AMES 11-073-1 )	AMES 11-073(0A148) -140A/8/C	1.0968	BLE CP	.8870	.6078 .6188	.5661		.4205			. 3409	.2538		.0754			5231				.6636	
A - 0A14	(CA148)	MACH #	DEPENDENT VARIABLE CP	.7800	.6574 .6743	.6054		.5086			.4562				.0815		4755					
Suing DAT	5 11-073	H 671.	DEPENDE	.6730	.6950 .6937	.6266		.5133			***	.3767	25.40	<u> </u>		.0608	1	4723	613			
TED PRES	A:40	2) =		.5340	.6915 .6819	.6104	. 5539	+16+			Ret.	.3778	משל			7847		7225	5502		6503	
TABULA		BETA ( 2	BOT SURF	.4270	.2992	\ Q.	. 5069		B074.		0044.	į	c/85.	7559			.0331	- 5470		5429		5567
		. 95÷	MING 801	. 3543	6587	c 450	. 0928		4212	.3951		.4159		į	. (463			.0421	4633		+592	3983
9 76		=	DALEFT	. 2330	.5011	0899		2010	ğ	) )									.0207		5097	
DATE 10 FEB		ALPHA (5)	SECTION (	27/04	47/X 010. 080.		2000 2000 2000 2000 2000 2000 2000 200	153	163 177 100 100	ָ הַיָּהְ הַ בְּּרְ		W. W. J. J. G. G. G. G. G. G. G. G. G. G. G. G. G.	. 508. 1503.	263 600 600	. 658. 658.	95. 95. 8.	730	0,75 608.	\$ 60.00 \$ 60.00 \$ 60.00	. 955 952	ភាពក្រ ភាពក្រ ឃុំ ពេញ ស្រ	<u>ගෙ</u> .

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				AME	AMES 11-073(04148) -140A/B/C	(0A14B)	-140A/B/		ORB LEFT WING BOT		(XEBLB3)	.83)	
ALPHE S		11.954	BETA C	# ( <del>2</del> )	. 179								
SECTIO:	: INCEFT	Wins Bot	ot suga		DEPENDE	DEPENDENT VARIABLE CP	BLE CP						
SY: BX	. 2990	3843	0754.	.5340	.6730	.7800	.8870	0226.					
X អ្នក ស្ត្រស្ត ស្ត្រស្ត		4517	4915	£884	6191	7028							•
1.000	F007		1947		2789		5556						
ALPHA ( 5)	=	.963	BETA ( 3)		4.251 M	MACH =	1.0963	σ	# 598.64	٥	710.95	200	٠
SECTION (	DLEFT	TCB ONIM	IT SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP		••				
27/BW	.2990	.3640	.4270	.53+0	.6730	. 7800	.8870	.9720					
X/CH 010. 020.	651 <u>9</u> 0000.	5875 4506	. 1393	.5860	.5916 .6131	.5313	.5287	4923					
	1970	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	•	5775	.5786	.5458	.5056						
180 180			Q184.	. 525¢			•	2812					
86.5. 80.5.	1015	. 0243											
. 150 151.				9+9+.	.4788	.4695	.3788						
.163		.385.	.4613					8 + 1					
ຼິ່ນ ທີ່ວິດ ທີ່		3770		.4217	4138	3065	2018			aganaay orga, 17			
, i.e.			.4231					-, 0573		1 <b>9</b> , 40		•	
004. 004.		<u>e</u> 0.75	.3768	. 3543	.3481		.2159			ديد ر سمود			
M C G G G G G G G G G G G G G G G G G G G			6818	.2523	.2234			0888		, (O.W)			
. 630 . 637		.2780					.0505			* 4 * *			
ន់ <b>គ</b> ្គប្រ និងសិក្ស និងសិក្ស					06+0.	.0619	·	5793					
25.7. 287.			. 0266	. 0542	•	. 4947	5386			rtr w.			

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ORB LEFT WING BOT -.5847 .9720 AMES 11-073(0A148) -140A/B/C .8870 -.6840 DEPENDENT VARIABLE CP .7800 -.5657 -.6043 -.5972 -.4652 -.5446 -.7068 .6730 -.7216 -.4864 4.251 .5340 -.6546 BETA ( 3) = -.4812 .4270 -. 5292 -.4856 -.5445 SECTION ( 1) LEFT MING BOT SURF .3640 -.4025 . 0286 -.4369 -.4737 -.4054 ALPHA ( 5) = 11.963 .2930 -.5066 -.6123 .0178 -.2045 2Y/BW

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-.3127

-.2112

PAGE 3131	(XEBL84) ( 05'AUG 75 )	PARAMETRIC DATA	RUDDER = 10.000 SPDBRK = .000 BDFLAP = +11.700 L-ELVN = 110.000 R-ELVN = :10.000 MACH = :.900	R = 1059.2 RN/L = 3.5885		_																
	ORB LEFT WING BOT			599.63	•																	
-1 )	LEFT W																					
11-073				ø		.9720	6681	משנה ב	1.00.1		3466			4696	•	4712		נו טונט ו	2			
( AMES	-140A/B/C			.89930	о В	.8870	-1.1185	-1.1267			9361		8281		6134		3913		3 9 0			
- 0A14B			000		VARIABI	.7800	-1.0788 -	-1.2996 -			-1.0009		6355					3691	e E			5984
RRESSURE DATA - OAI48 ( AMES 11-073-1	AMES 11-073(0A148)		10 IN. X0 IN. X0 IN. X0 IN. X0	55 MACH	DEPENDENT VARIABLE CP	.6730	-1.2956 -1	-1.2740 -1			6542 -1		3920 -		2710	3187		•	3593	9054		9150
PRESSUR	AMES 1		1076.6800 .0000 375.0000	. 165	8	3+0	-1.0906 -1.	256	3858		.5106 -		533		8745.	.3039 -			200	577		- 6425
TABULATED			11 11 11	2		δ. Ri	- 1-1 - 1-1	 		?	ï	ŏ	,	<u> </u>	١	1	Ė		į	W. 1.	, C2	ï
TABL		TA	AMERICAN STATES OF THE STATES	BETA (	SURF	.4270	3158	, ,	77.67			2404°-		3153	f	יינינים	7397			255	552	
		REFERENCE DATA	SO.FT. IN. IN.		MING BOT	. 3640	1107	Agn		0146		0816	2355	Š	<del>)</del> 190.		1	2557			2889	78+5
87 75		REFER	2690.0300 474.8000 936.0580	= -3.955	DLEFT	2573	0.0340	0468		<u>0840</u>		į	9100. 1								2012	
DATE 10 FEB			SPEF = 26 LREF = L PREF = C	ALPHA ( 1:	SECTION (	2Y / B.	X/CH 010.			980 980 460	150	163	ນ ຜູ້ ເກີ. ທູ້ ກີເກີ.	ት የፈት የር	200 100 100 100 100 100 100 100 100 100	, a a a a a a a a a a a a a a a a a a a		. 655	1 (1) 1 (1) 1 (1) 1 (1)	17.00 EV.T.	<b>m</b>	THE COLUMN

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DATE 10 FEB 76		TABULATED		SSURE DA	TA - 041	PRESSURE DATA - DATHB ( AMES 11-073-1 )	11-073-1	~				P.	PAGE 3132
			AM	TS 11-07	3(04148)	AMES 11-073(0A148) -140A/B/C		ORB LEFT WING BOT		S	()E8(84)		
ALPHA ( 1) = -	-3.965	BETA (	a C	. 165									•
SECTION ( 1)LEFT	N I N	BOT SURF		DEPEND	DEPENDENT VARIABLE CP	ABLE CP							
24/E4 .2990	0 .3640	0.4270	.5340	.6730	.7800	.8870	.9720						
1		6049					1110						
. 865 9618 . 979 5893 . 973 5893	i i	56208	5576			5656	•						
	5563	35677	5354	4797	4763								
\$20 <b>4</b> \$25	<b>m</b>	3607		3358		3346							
ALFIA ( 2)	.057	BETA ( 1		.165 M	MACH	07768.	σ	• 598.28	Ω	106	1050.7 RI	RN/L	3.5863
SECTION ( 1)LEFT	MING	BOT SURF		DEPENDE	DEPENDENT VARIABLE CP	BLE CP		i ·					
27, EM . 2990	0 .3640	0754. 0	.5340	.6730	.7860	.8970	.9720						
x/cx :0:0 :0:0 :020 :020	1223		4648	6716	7070	6269	3231						
4790. DEC.		•	3656	4587	5534	6589							
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	.1475	1174	2873			•	. 3255						
•		_	1925	1992	2274	2993	2318						
	•	1277						<i>:</i>					
	0831	:670	1334	1833	2245	2691							
Diction	082 <b>8</b>		1257	1428		2012	1623						
ក គេ ស្វា ជ - ពេះ ស្វា ជ - ពេះ ស្វា ជ		. U/92	2046	2197		ı	2130						
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	(XEBL84)																					
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	ORB LEFT WING BOT															598.38						
-	LEFT W															an a						
11-073				.9720		7006					4953					o		.9720	0865	:	1473	. 1 - 66
TABULATED PRESSURE DATA - OAI48 ( AMES :1-073-1	AMES 11-073(0A148) -140A/B/C		e G	.8870			.1099				•	4432			2903	.89803	8	.8870		3515	1	0759
. 0A148	- (841)		DEPENDENT VARIABLE CP	. 7800	£79£		7466 -1.1099			5556		•		5271	•		DEPENDENT VARIABLE CP	. 7800	.1210 0125	0480		0135
DATA .	-07310/		INGENT	.6730	i		i	26							35	MACH	V TNECK					
SSURE	£11.	. 165	0EP			3670	_	8392		853¥				4663	3482	-3.885	DEPE	.6730	.0041	3631		0073
TEO PRE	ŧ	"		.5340			3/3b	-1.3497		6358		5258		4913				.5340	.1020	0324	0324	00 11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14
TABULA		ETA ( 1)	SURF	.4270			2182		5759	* 150 00 00	?		6238	5531	3444	TA ( 1)	SURF	DZ24.	100 110 110 110 110 110	i 3 3	ញ វ ឃ ប	
		38 720.	A1NG BOT	Dtruz.	1632		•	Becce		8027		. 5248	.5231	. 4577	•	<b>8</b>	WING BOT S	.3540	1130 1730 1730 1730	.; 1	0 1 20 0	
a. Ai		11 CJ	1000	013.2				·	844.5	9	8960	. 6176	•	Ş	. 500 c	3.889	DLEFT W	. 2930	# 0 80 0.00 0.00	m 		
DATE 10 FEB		ALPHA ( P)	i)	54750	X2X 537 683.	. 570 . 700 . 700	750	2. c. c. c. c. c. c. c. c. c. c. c. c. c.		្រុំ ព្រះព្រះ ព្រះព្រះ			n ថា ៤ ១	ក <b>ភាព</b> ប្រជាពី ប្រជាពីព		A_PHA (3) =	SECTION ( )	2v/8w	ា៖ប៊ីកក់	14) 14 ) ( ) 7	1 ( ) ( ) (() (1) (1 ) () ( ( ) ( ) ( )	† C) ( P C) ( L) ( L) ( L) ( L) ( L) ( L) ( L) (

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DATE 10 FEB 76

(XEBLB4)

ORB LEFT MING BOT AMES 11-073(0A148) -140A/B/C -3.885 BETA ( 1) = 3.888 ALPHA (3) =

SECTION ( 1) LEFT WING BOT SURF DEPENDENT VARIABLE CP 2Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720

-.2309 -.1158 -.2859 -.0481 -.0997 .0058 -.0191 -.1346 -.0261 -.1172 -.0205 .0206 .0197 -.9241 .0264 .0393 .0323 -.0875 .1031

241 -.1545 -.2859 -.2956 -.5323 -.3294

-.1830 -1.3055 -.8290 -.5619

-.1885 -.8420 -.5965 -.8754 -.5297

-. 3093

-.4135

-.931; -.5158 -.4581 -.5535 -.6093 -.4581 -.4568 -.4589 -.3545 -.3:93 -.3:93 -.29-4 -.28+2

8/64.-

PAGE 3135	(XEBLB4)	+ 1060.0 RN/L = 3.5814																			
		۵.																			
	ORB LEFT WING BOT	<b>=</b> 598.38																			
11-07		ø		.9720	2041		2267	1060	9091		2667	1	¥.263		5966					3318	
PPESSURE DATA - 04148 ( AMES 11-073-1 )	AMES 1:-073(0A148) -140A/B/C	.89803	BLE CP	.8870	.1685	0260		0766		1141	1336	}		3164	·	3000					150¥
A - 0A;4	(OA148)	ACH #	DEPENDENT VARIABLE CP	.7800	.0516	0095		0061		0407						2010	) } }		5563		
SURE DAT	5 1:-073	.164 MACH	DEPENDE	.6730	.1024	.0002		.0113		0149	1		1419		2,00	). :	ā	5	8296		
	ij.	#		5340	.1953	9040.	. 0221	. 0257		.0190	1		1.118			3031	21.00	•	6:52	1	n U D t
TABULATED		BETA C 2	SURF	0.4270	.3836	. במנו	.1099		.0539	0385		. 0229	9589				1708	5901	- 52-27	į	5208
		333	708 GV17	3640	. 1200.	n D t	. 2249		.2237	.0573	.0493			0782				1683	8270	5213	4870
မှ (၁)		F	16 14 14	en en to	ggg- . gggg-	erico.	, 1		1. 8351										m m	939+ 11-4	;
		ALPHA · 3		2×/8×	0000 0000 0000 0000 0000 0000 0000 0000 0000	9 B C	# 5 10 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	្តក្រ មួយ ហេ		ក្រុក វិត្តិស្វី វិត្តិស្វី	(M) (C) (C) (M) (M) (M) (M) (M) (M) (M) (M) (M) (M	nin Citi	 ມີຄາຄາ ຜູ້ເວເນື້	ជាមួយ ភូមិ ភូមិ ភូមិ	12.5 12.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13	(개 <b>인</b> 작원	1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15	1 m m - 7 m i - 7 m i	វេល្ស ១២៣៥ ឯមាជ រួ	មេជាក្រ ប្រជាជាក់ ប្រជាជាក់ ប្រជាជាក់	ម្ចាប់ ក្រុម ក្រុម

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AMES 11-073(0A148) -140A/B/C

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(XEBLB4) ORB LEFT WING BOT .9720 .8870 DEPENDENT VARIABLE CP .7800 -.4516 -.3679 .6730 -.2985 -. 4262 .5340 BETA' ( 2) .3640 .4270 -.4889 -.2998 SECTION ( 1) LEFT WING BOT SURF -.4122 ALPHA ( 3) = 4.092 .2390 -.3749

3.5814

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1060.0

598.38

.89803

4.248 MACH =

BETA ( 3) =

ALPHA ( 3) = 3.995

SECTION ( 1) LEFT WING BOT SURF

DEPENDENT VARIABLE CP

.9720

.8970

.7800

.6730

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. 4273

. 3540

.2390

2Y/BW

-.3552 -.3187 . 2035 . 0823 .0080 .0083 -.0728 .2236 .1049 .0307 . 0262 . 1549 . 1148 .0384 . 2564 . 1432 .094g .0385 .0597 .3045 .3321 .2457 . 1364 .0729 1.1484 1.0849 1.0849 . 1838 . 2291 -.2031 -.0256 .0099

-.1196 -.0329 -.0085 .0273 .0495 .0773 .0511 .0759

-.3408

-. 1483

-.0336

-.0137

. 0220

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-. 3685 -.1+56 -. 1199 - 9.48t

-.6183 -.8303 -. 3052 -.2719 -.1815

-.4728

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PAGE 3																		
_										1								
	(XEBL84)									- 1059.3								
										0.								
•	ORB LEFT WING BOT									<b>598.16</b>								
11-073-1				.9720		3355				o		.9720	4522	.3289		2077		2219
TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1	AMES 11-0731JA148) -140A/B/C		LE CP	.8870			-, 4269		2722	.89820	LE CP	.8870	.4321	. 24 32	¥660.		.0158	
- 0A14B	JA148) -		DEPENDENT VARIABLE CP	.7800		5986		3887		MACH	DEPENDENT VARIABLE CP	.7800	.3871	.2745	<i>tt</i> 1:		.1075	
SURE DATA	5 11-073	4.248	DEPENDE	.6730	7258	7677		4640	2941	.163 M	DEPENDE	.6730	.3309	.273h	. 1939		.1361	
TED PRES	AMES	ø		.5340	-1.3217	5998	4917	-,4398		H		.5340	.5064 .4034	3008	. 1983		.1503	
TABULA		BETA (3)	SURF	.4270	5946	6163	5134	-,4976	3122	BETA (1)	SURF	.4270	. 1984. 1981.	FORF.	. 2824	מ נו נו	669	
		3.996 Bi	WING BOT	. 3640	1699	8358	•	561 <del>+</del> 4251		8.009 B	MING BOT	364€	- 3854 - 0951	÷550.	.2303	. 3254	.1956	. 1612
9.76		3.0	DILEFT P	. 2990	ğ		8788	;	4713	.89	DLEFT	.2990	3592	0319	. 0354		. 1332	
DATE 10 FEB		ALPHA : 31	3 to: 1045	2Y/3%	X/CW . 775 . 738 . 808			2.00 2.00 2.00 2.00 2.00 2.00 3.00 3.00	1.000	ALPHA (4)	SECTION (	2Y/84	X/CF.	5 5 5 5 5 6 6 6 7 6	2000 2000 1000 1000 1000 1000 1000 1000	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ក ជា ជា ក វ មេ ក ពេក វ មេ កំ មេ ក	in in The interpretation of the interpretati

PAGE 3138	<del></del>																	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	I			
	(XEBLB4)	_																4, 13				
																		4. (80)				
	<b>=</b>																	<b>Q.</b>				
	ORB LEFT HING BOT																	597.36				
PRESSURE DATA - OA148 ( AMES 11-073-1 )				.9720		2558		5578					385¢					0		.9720	514.1	3491
B ( AMES	AMES 11-073(0A148) -140A/8/C		BLE CP	.8870	0574	•	2386	•	9625				•	4734			4017	.89670	ر و ن		.4338 .4488	.364.2
TA - 0414	3(0A14B)		DEPENDENT VARIABLE CP	.7800			i	N <del>.</del> 55	8675			6133			!	4082		MACH	DEPENDENT VARIABLE CP	.7800	.5131	.4319
SSURE DA	ES 11-07;	. 163	DEPENDE	.6730	.0728	0607		2295		7348		7490				4817	2914	.169 M	DEPENDEN	.6730	.5441 .5329	. <del>1</del> 64.
	AM	=======================================		.5340	9480.	0309		9	D/R1.	-1.3003		6933		4691		86 ÷ ·				.5340	.56+0 54+6	.4663
TABULATED		BETA (	T SURF	.4270	. 1222	6681			1408		6710	6380		1		4831	2820	BETA (1)	SURF	.4270	.0083	
		8.008	MING BOT	.3640			.0050			1387	9501			6004	4594	4078			DILEFT WING BOT	36+0	4087 1957 1005	
FEB 76			C DILEFT WING	.2990							1677		8999	6546		4289		= 11.969	DLEFT I	.2990	6831	1099
DATE 10 F		ALPHA ( 4)	SECTION	2Y/BW	X/CH 0.402 1402	. 55°.	. 637 159	676. 076. 857.	. 750 . 760	27. 867.	. 838 834 838	.850 .857	. 865 865	. 900 900 206.	919	12. 12. 12. 12. 12. 12. 12. 12. 12. 12.	1.000	ALPHA (5)	SECTION (	2Y/BH	X/CH .010 .020 .040	050. 0690. 080.

(XESLB4)

91 634 C: TEG

,	-1' DAZBZC OFF LEFT WING BOT		8	.8870 .9720			2047		36	1759	96	-,2579	47	1	5603	=				****	beus	92			#
	ਨੇ 		BLE (	86		.2243			. 1336		.0396		1847			1.947						8058			¥283
			DEPENDENT VARIABLE	.7800		.3212			.2270					1883		8518			i	-1.0131		•		7178	•
	ANES 1:-073:04:48)	.169	3CN3630	.6730		.3364			. 2523		11711	.0236			1974		8639			- 6/08				5667	4421
	A:E	- 1		.5340		. 3287			.2671		.1846	.0544			i	1748	-1.2338		o de la companya de l	9005.		5670	!	 	
		ET 1 : 1	- St.	.4270	.3942		3254		¥7.6.		.2200	5922				!	. 1529	-1.0462		7950		1	5643	5022	3859
		695	HILLS BOT	35+0	.2081		.3880	.2910		.2617			7887				1		8552		•	/150	6220	+. 4884	
		p	132	. 2990		.0615		. 1770										25.7	:		9082	6025		9	
		K. Pr. 1 53	SECTION	277EN	195. 185.	្តី	.153	6.55 6.55 6.55 6.55	ញ <b>វ</b> ព ភពៈ បំណ	 	0 N :	1500 1500 1500	.637	.650	55.	i i Gibi	207. 207.	80 g	. 839 639	508. 508.	. 855 873	n 000 000	0.0 0.0 0.0	មុំ រប់ល្ខំខ ទីលើសិសិ	1. 000 000

	CXEBLBS) (05 AUG 75 )	PARAMETRIC DATA	RUDDER = 10.000 SF2BRK = .000 BDFLAP = -11.700 L-ELVN = -10.000 R-ELVN = 10.000 MACH = .600	P = 2386.4 RN/L = 4.8156																
UAITE 11-0/3-1 3	B/C ORB LEFT WING BOT			0 0 = 593.85		0 .9720	0 9293	2 7416	<u> </u>	7		ស	4790	ق م			18 <b>5</b> /	2		
SSURE DAIA ~	AMES 11-073(0A148) -140A/B/C		1076.6800 IN. XO .0000 IN. YO 375.0000 IN. ZO	= .164 MACH = .59620	DEPENDENT VARIABLE CP	.5340 .6730 .7830 .8870	.8352 -2.0513 -1.8922 -1.7060 .4241 -1.7368 -1.5166 -1.5354	.81489222 -1.1137 -1.1522	.6187	.4126467354455857		.3093369741484245	ļ	.266029183559	.31023491	5029				.394039953556
TABULATED PRE		DATA	XMRP = ZMRP =	BETA ( 1)	OT SURF	0.4270	5926 -1 6521 -1		4638	n O	83351		1	2238	- 4:02		•	4057	. 7854 7854	ώ.
		REFERENCE D	SS.FT. IN. IN.	.903	WING BOT	.3640	8522 8241	. oc.		o/ +! . [ + /o	2208	2985	2370			2625			4566	7046

T.

TABULATED PRESSURE DATA - CAIMB ( AMES 11-1773-1 )

ORF LEFT HING BOT ATES 11-073(04149) -140A/B/C

DEPENDENT VARIABLE CP . 7800 .6730 164 .5340 BETA ( 1) = .4270 SECTION ( 1 LEFT WING BOT SURF .35+0 = -3.903 ALFHA ( 11 24782

3278. -.4831 -.6781

-.2879 -. 277.ª

901.4.1

-.2460 -.2741 -.1494 -.1933 -.2547

ø -.1170 .163 MACH = .59620 FI. .072 SETA ( 1) . -.1233 -.2057 -.2616 ALFHA ( 2) ត់<u>ត្រុស់ស្គាស់ស្គាស់ស្គាស់</u> សូមស្នាស់ស្គាស់ស្គាស់ស្គាស់

.8970 DEPENDENT VARIABLE CP .7800 .6730 .5340 .4270 SECTION 1 DIEFT WING BOT SURF .3640 . 2333

27/52

.9720

-.3102

-.8039

-.2780

-.5322

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2387.1

593.87

-.7401 -.8131 -.6016 -.6957 -.4326 -.4970 -.6079 -. 3802 -.3115 -.0358 -.0358 -.135 5000. 5000. -.0:91

-.2176 -.2435 -. 1932 . Cu52 -. 62gr

-.2176 -.1737 - 10th -.1502 -.0348 -.0201

-.2823 -.254: F. 1+28 -.2~32

-.+053

-. 2445

-.1983

-.1787

-.2400

PAGE 3141

(XEBLB5)

AMES 11-073(04148) -1404/8/C 098 LEFT 1:1NG BOT

Ž 2386.4 -. 3994 .8870 -.7573 -.5628 -.2437 .887 .59630 -.0363 -.0472 -.0470 -.1005 STT3.-DEPENDENT VARIABLE CP DEPENDENT VARIABLE CP .7800 7900 .1358 -.0542 -.4661 -.3563 -.4016 -.3300 -.2314 -.2641 -.1271 .160 MACH .6730 .6730 -. 1593 -.05:08 -1.1090 -.5755 . 163 -.4290 -.0210 .5340 -.0377 -.2698 .5340 .1173 BETA ( 1) = 9ETA ( 1) = -.4767 -. I 964 .4270 -.2779 £370°. . 9278 E+!!'-2639 2639 1840 -.82±6 SECTION ( 1) LEFT MING BOT SURF SECTION 1 DUEFT MING BOT SUMF 3540 -. 1932 -.2936 -.2053 .3540 1405 - 1533 570. 4.0.1 .2393 .0355 .2990 -.6933 -.4785 , V. V. -.0327 8 (10 c 41 h) 4

(XE8L85)

TABULATED PRESSURE DATA - 0A148 ( AMES 11-073-1 )

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AMES 11-073(0A148) -: 40A/B/C ORB LEFT MING BUT			<i>ງ</i> ຂ	
0			.97	
:40A/B/C		LE CP	.8870	
A148) -		VAR1AB	.7800	
3 11-073(0	. 160	DEPENDENT VARIABLE CP	סבק. 1679. 067. 0573. 0452. 16754. 048E. 1895. 0995.	
A.MES			53+0	
	"		•	
			73	
	4	SURF	Ţ.	
	ALPHA 31 = 4.077 BETA ( 1) =	SECTION ( TILEFT WING BOT SURF	0.3640	
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	1-1	Ġ		ı
	AL PLAN	1-03 1-03 1-03 1-03 1-03 1-03 1-03 1-03	GI EU EU	, ( ) , ( )

		8181	, , , , , , , , , , , , , , , , , , ,		3350				1609			
		1249	-, 1652	÷.3672	e u · m 1442	. 5585				2225		0308
		0963			4283	7768			3490		1195	
l		0747	1039	2190		4276	5619		3836		2356	1339
)		0499	-,0906	1895		4005	-1.1062		8448	2488	2052	
j	0169	0333	0552	2513			3555	8559	-, 4439	2718	1693	0855
)		0127	0262		1458		č	) ) ;	5865	8514	2914	
1	375	, , , , , , , , , , , , , , , , , , ,						1 2000		6608		2401
\$	X CA 1177	ក្រុស្តិសុក ក្រុស្តិសុក ក្រុស្តិសុក	មម្រង់ វិបនិស្តិ			. 707. 1967. 1987.	្រុះ ស្រួស ស្រួស ស្រួស	 	រុសភាព ឯកពីក្រុស	ក់ស្ពឺ ខ្លាំ ស ស្រួស ស ស្រួស ស	្តាល់ ទី១៣១៣៣ ទី១៣១៣៣៣	1000 1000 1000 1000

PAGE 314* (XEBL85)	2386.4 RN/L * 4.86																					
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AMES 11-07310A148) -140A/B/C ORB LEFT WING BOT	0 = 595.63		.9720	#58#·-		3271		1.2233				2321	इस्टा	22! 3182	2321 3182	2321 3182 3518	3182 3516 3516	3182 3516	3182 3516	3182 3516	3182 3516 1860	3182 3182  3516
AMES 11-073(0A148) -140A/B/C	.59710	OLE CP	.8870	3826	.2101	•		. 0510			0195	-	-			·		·	·			
(0A148)	MACH #	DEPENDENT VARIABLE CP	.7800	.3482	.2274			.:097		.0337	:	<b>i</b> 	i 	i 	i I	3826						
S 11-073	. 158 M	DEPENDE	.6730	.3959	.2266			. 1244		.0530			0208	0208	0208	0208 1514	0208	1514 3752	0208 1514 3752	0208 1514 3752 4946	1514 3752 4946 3876	0208 1514 4946 3876
AME			.5340	.3279	. 2266	.1670		.1132		¥790.			4400	0044	004%	004 <del>\</del>	1236	1236 1236 3600	1236			
	BETA ( 1	SURF	.4270	.1320	0.00	8.61	) :		.1153	0770	3	•	. 0275	. 2737	.0275	.0275	.0275		. 3266 . 3266	.3266 .3266	.3266 .3266 .84.08	.3266 .8408
	8.047 8	DILEFT WING BOT	.3540	5332 2053 1028			.1357	.2196	 	.0975		.0662	.0662	. 0662	. 0662	•	•	•	•	• • •	5373 5733	
	p		.2930	3701	6640		0081		.0680											327!	•	537]: 6345
	ALPHA ( 4)	SECTION !	2Y/BW	.010 .020 .020	000	080 080 180	88.5	. : 50 . : 57 . : 63	.529	27.55 27.45 27.4	345	393	00000 00000 100000	######################################			17 7 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		.390 .400 .550 .550 .550 .775 .775 .775 .775 .7	ស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក្នុងស្នាក់ ក	.390 .500 .500 .500 .500 .500 .500 .500 .5	2000

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	(XEBLB5)					•	* 2386.4													
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•	ORB LEFT WING BOT						- 595.63													
1-073-1	ORB LE			.9720			o		.9720	1.0705	6622		3163		2638	- 3456	!	3890		
PRESSURE DATA - DAIMB ( AMES 11-073-1 )	40A/B/C		e Cb	.8870		0509	.59710	do a	.8870	.2109 .3480 -1.0705	.3376		.1570		. 0650	0377	3027		593	
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RE DATA	AMES 11-073(0A148) -140A/B/C	. 158	DEPENDENT VARIABLE CP	.6730	2084	1195	.156 MACH	DEFENDEN	.6730	.3939	.3995		.2532		. 1591	.0655	0859		3493	
				.5340	- 1795	•		_	.5340	.3890	3776	<b>3099</b>	44£2.		. 1761	. n849	0540		3320	
TABULATED		נו ט או	SURF	.4270	. 1671	0699	TA ( 1)	SURF	.4270	3038	.3131	.3002		.2306	.1787	.1103	2937			3000
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AMES 11-073(0A148) -!40A/B/C (0-8 LEFT WING BOT

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ALPHA ( 5) =

-.2697 .9720 .8870 -.2482 DEPENDENT VARIABLE CP .7800 -.3249 -.3810 -.3766 -.1500 -.2057 -.1318 .6730 -1.1533 -.4784 .5340 -.2135 -.4128 -.2836 0754. -.8530 -.1691 SECTION O INCEPT WING BOT SURF .36+0 -.3537 -.3135 -.4063 -.4399 CE52. -.2938 -.6189 ក្រុកពាធាធិស្សាធានក្នុងប្រកួតគឺក្នុងប្រជាធានក្នុងប្រជាធានក្នុងប្រជាធានក្នុងប្រជាធានក្នុងប្រជាធានក្នុងប្រជាធាន ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកពី ស្រុកព SY/EM

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